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**Report on the Operations of the University  
of the Panjab, for the year ending  
30th September 1938**

*GENERAL.*

During the year under report, the office of the Vice-Chancellor was held by Mr. M. L. Darling, C.I.E., I.C.S., up to the 12th April 1938 and by Mr. B. H. Dobson, C.I.E., C.B.E., I.C.S., for the remaining period. The office of the Dean of University Instruction was held by Dr. G. Matthai, M.A., Sc.D., F.R.S.E., I.E.S., up to 31st December 1937, and by Dr. S. S. Bhatnagar, O.B.E., D.Sc., F. Inst.P., for the remaining period.

The honorary Degree of Doctor of Literature was conferred on His Excellency Sir Herbert William Emerson, G.C.I.E., K.C.S.I., C.B.E., I.C.S.

The University sustained loss in the death of two of its Honorary Doctors of Laws and Literature, respectively, Lieut.-General His Highness Maharaja Sir Bhupindar Singh Mahindar Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., A.D.C., Maharaja of Patiala, and Dr. Sir Muhammad Iqbal, Kt., M.A., Ph.D., Barrister-at-Law.

One important event of the year under report was the decision of His Excellency the Chancellor to appoint a whole-time paid Vice-Chancellor. Since the incorporation of the University in 1882, the office of the Vice-Chancellor was held honorarily. The history of the proposal was given in detail in the last Annual Report. On the proposal of certain Fellows, the Senate reconsidered its decision on the question in May 1938 and decided by a narrow majority that the appointment of a paid Vice-Chancellor was neither necessary nor desirable. The decision of His Excellency the Chancellor on the question was made public in a

Press Communiqué. The post was advertised and, after considering the applications received, the appointment of Khan Bahadur Mian M. Afzal Hussain, M.A. (Cantab.), M.Sc. (Panjab), I.A.S., Principal, Punjab Agricultural College and Research Institute, Lyallpur, was made.

The year has also seen the affiliation of an unusually large number of Colleges to the University. The Women's Christian Medical College, Ludhiana, has been affiliated to the University for the First Professional Examination for the M.B. B.S. Degree; St. Joseph's College, Baramula (Kashmir), and Shri Atmanand Jain College, Ambala City, have been affiliated up to the Intermediate standard; the Sikh National College, Lahore, has been affiliated up to the B.A. and B.Sc. standard, and deMontmorency College of Dentistry, Lahore, has been given direct affiliation for the Degree of Bachelor of Dental Surgery. The Stratford Intermediate College for Women, Amritsar, has been raised up to the B.A. standard. Proposals for Intermediate Colleges at Sargodha and Rupar, after due consideration, were not favoured, and that for Gujrat is still under consideration. The large number of affiliations is a definite evidence of the growing desire of the people to take advantage of University education. In addition to the requirements necessary under the Indian Universities Act, 1904, conditions have been laid down to secure financial stability and adequate teaching in the case of colleges applying for affiliation up to the Intermediate standard: such conditions for affiliation up to the B.A. and B.Sc. standard having already been laid down. A new Faculty of Dentistry has been created.

A large number of amendments of regulations was made to meet new requirements. A detailed statement of the changes is given elsewhere in this report, but the following may be noticed here. Students in the B.T. examination who are placed in compartment are allowed to

appear in the Supplementary examination as well, instead of in the Annual examination only. They are also given the concession of appearing in the Supplementary examination in case of serious illness of the candidate or death of a near relative. Attendance at law moots and tutorial meetings in the Law College has been made compulsory. Research work during study leave can now also be carried on in India. Agriculture has been added to the elective subjects for the Intermediate Arts Faculty examination. The term "Modern Indian Languages" has been substituted for "Indian Vernaculars." Late college students have been made eligible to appear as private candidates in the First and Final Examinations in Agriculture. A candidate who fails in any one subject of Part A or Part B of the Final Professional Examination for the M.B.B.S. Degree is allowed to appear at any subsequent examination only in the subject or subjects in which he fails, provided that the whole examination is completed within a period of 19 months. Regulations for the Degree of Bachelor of Dental Surgery have been amended so as to introduce the system of six-monthly examination, to introduce the compartment system like the medical examinations, and to revise, rearrange and re-group the subjects in the various examinations in a manner followed by the British Universities and examining bodies keeping in view that all possible facilities are afforded to students to complete their dental studies in an efficient manner. A candidate who secures at least Second Class marks in the aggregate (in the whole examination) and passes in the Essay Paper in English is now declared as having passed the M.A. examination even if he fails to qualify in any one or more papers.

The total number of candidates appearing in the various examinations in 1938 was 41,755 showing an increase of 1,917 over last year. There has been a drop of 37 in the number of girl candidates appearing for the Matriculation examination this

year. It has been decided that ordinarily the examiners for the Ph.D. Degree and for the Senior Doctorate should be persons from outside India except in the case of Oriental Classical Languages or subjects relating to India in which case, if necessary, one suitable examiner may be recommended from India. It has also been decided that so far as possible persons who act as examiners in the F.A., F.Sc., B.A., B.Sc., Munshi Fazil, Maulvi Fazil, Shastri or higher examinations should not be appointed as sub-examiners, head examiners or paper-setters in the Matriculation examination: in cases of small number and fees, the Revising Committee can exercise its discretion, and that preference be given to School and Intermediate teachers while recommending examiners for the Matriculation examination. The University Professor or the Head of the University Department concerned has been made *ex officio* examiner for thesis in the subjects, for the M.A. Examination and the *ex officio* examiners are not to be paid. The University has agreed to conduct the examination of the Diploma Class in the MacLagan Engineering College on payment by the College of a specified amount for meeting the cost.

The work in the University Chemical Laboratories continues to retain the confidence of industrialists. In addition to the work done for Messrs. Steel Bros. and Co., Ltd., and Lala Shri Ram of Delhi, the Syndicate during the year under report accepted the following offers:

- (a) A scholarship of Rs. 250 per mensem, Rs. 15 per mensem for a bearer and Rs. 200 for contingent expenses for a year, from Lala Maha Narain, General Manager, Ganesh Flour Mills Company, Limited, Lyallpur, for Research Work in the University Chemical Laboratories, under the guidance of Professor S: S. Bhatnagar, O.B.E., D.Sc., F.Inst.P.

- (b) A sum of Rs. 250 per mensem for one year for a Research Scholar, Rs. 20 per mensem for a year for a bearer and up to Rs. 300 for contingency expenses, from Seth Padampat Singhania, M.L.A., Cawnpore, for Research Work on certain problems, under the guidance of Professor S. S. Bhatnagar, O.B.E., D.Sc., F.Inst.P.

The Indian Science Congress has accepted the invitation of this University to hold its next session at Lahore in January 1939 and the University has contributed Rs. 1,500 towards its expenses.

After considering a letter from the Registrar, University of Bombay, the Syndicate decided that the question of nominations to the Indian Civil Service, being of a political nature, was beyond the purview of the University, but the Syndicate agreed that it be represented to the Government that Indian graduates should not be barred from competing in England in the Indian Civil Service examination for vacancies reserved for Indians if they did not happen to be graduates of a British University. A representation from the Punjab Graduates' Union was received on the subject that for purposes of election to the Assembly the University should maintain a register of graduates containing the names of graduates of not less than seven years standing. A Committee was appointed to consider the question from all its aspects. After considering the opinion of the Committee, the Syndicate finally, owing to the difference of opinion on the subject, decided to ask the Punjab Government to request the Government of India to refer the question for decision to the Federal Court. A request was accordingly made to the Government which in its reply explained the position and further added that "the matter could be referred to the Federal Court only if the interpretation of the Order in Council were open to doubt and there was a difference of opinion between the

Provincial Government and the Government of India on the point. As these conditions do not apply here, there is no case for reference to the Federal Court of India."

The process of purging the prescribed text-books of obscene passages has been intensified and accelerated during the period.

A Committee explored the question of female education with reference to Indian Social needs. After discussing the recommendations of the Committee, the Syndicate decided that girl candidates be given the option of taking alternative courses to the elective subjects in the Intermediate and B.A. examinations. A sub-committee was appointed to frame the alternative courses. The recommendation of this sub-committee, that (a) Home Science, and (b) Music and Art be added to the list of elective subjects for the Intermediate and B.A. examinations is engaging the attention of the bodies concerned.

Both with a view to make the intention clear and to emphasize the distinction between rustication and expulsion, rules on the subject have been revised and amplified. Rules were framed for consideration of proposals for new expenditure. Rules have been drawn up for preparing an approved list of candidates for appointment as clerks in the University Office. Rules for the award of Shrimati Damyanti Sachdeva Prizes, endowed by Rai Bahadur Lala Gokal Chand Sachdeva to commemorate the memory of his daughter, Shrimati Damyanti Sachdeva, were framed and the first contest was held under those rules. The travelling and halting allowance rules were revised with the object both of removing certain ambiguities and effecting economies. Incidentally, it was also decided that the travelling and halting allowance be continued to be paid not on the academic status of the person concerned but on the salary drawn by him, and that the person drawing the travelling allowance should

certify that he has travelled by the class for which travelling allowance had been claimed under the rules: it being decided that for purposes of certification journey by motor car would be considered as equivalent to travel by first class. A new rule has been added that private medical practitioners and legal practitioners shall be treated as Second Class Officers for purposes of travelling and shall be paid minimum halting allowance and mileage due to a Second Class Officer unless they are entitled to more on salary drawn in any capacity or on income declared by them.

In order to ensure suitable residential accommodation for girl college students, the University decided to give the proposed Y.W.C.A. hostel a subsidy of Rs. 2,000 for the year provided the Government gives an equal grant or more, subject to the condition that in the hostel no religious instruction or propaganda of any kind would be carried on.

Professor E. C. C. Baly, C.B.E., D.Sc., F.R.S., Emeritus Professor of Chemistry, University of Liverpool, and Professor J. E. Lennard-Jones, Ph.D., D.Sc., F.R.S., Plummer Professor of Theoretical Chemistry, University of Cambridge, who came out to India as members of the British Delegation to the Silver Jubilee session of the Indian Science Congress, were invited to Lahore to deliver lectures on "Photosyntheses of Organic Compounds in Plants" and "New Ideas in Physics and Chemistry," respectively.

The unveiling ceremony of the statue of the late Dr. A. C. Woolner, C.I.E., was performed by His Excellency the Chancellor on the 22nd February 1938.

The University Demonstrators all these years were paid a fixed salary of Rs. 150 per mensem. During the period under report, a grade of Rs. 125—5—150—Efficiency Bar—10—200—Efficiency Bar—10—250 has been sanctioned for them.

On reaching the age of retirement, M. Mohammad Shafi, M.A., has been reappointed Principal of the Oriental College and University Professor of Arabic for one year with effect from 1st October 1938, and Mr. J. W. Thomas, B.Com., B.Sc., has been reappointed as Principal, Hailey College of Commerce, for one year with effect from 1st October 1939, on their present emoluments.

A combined Committee of the Syndicate and the Mofussil Board was appointed to consider various matters including mofussil representation on University bodies. This Committee made the following recommendations to the Syndicate:

- (a) That the Vice-Chancellor be requested to bring the claims of mofussil educational interests for further representation on the Senate to the notice of His Excellency the Chancellor.
- (b) That in the Faculties of Arts, Oriental Learning and Science, where the Faculties send more than two representatives to the Syndicate, at least one of the seats be reserved for mofussil Fellows (Rai Bahadur L. Durga Das dissenting).
- (c) That in the Faculties of Arts, Oriental Learning, Science and Agriculture, fifty per cent. of the Added Members be from the Mofussil.

The Syndicate decided that since the nomination of Fellows was the prerogative of His Excellency the Chancellor, the Syndicate could not take any cognisance of the recommendation, and therefore no action on it was necessary. The recommendations made in (b) and (c) were also rejected after discussion (Sardar Jodh Singh dissented, with which the Vice-Chancellor, the Chief Justice and Dr. Dunnicliff associated themselves). The decision of the Syndicate was accepted by the Senate after a lengthy discussion (33 for, 6 against).

During the period under review, a Tabulation Hall and offices for the University Training Corps have been constructed and the construction of the accommodation for mofussil teams at a cost of Rs. 14,151 has been taken in hand. Rs. 30,000—being half the estimated cost for the extension of the University Chemical Laboratories—have been earmarked for the purpose. With the restoration of a part of the cut made by the Government from grant to the University some years back, the finances of the University have once again become stable and they do not give any the least cause for anxiety at present.

With a whole-time Vice-Chancellor, the growing keenness for education as evidenced both by the large number of colleges affiliated and a record number of candidates examined during the year, and strong and stable finances, the University is justified in looking ahead with hope and confidence to another year of good work.

### *EXAMINATIONS.*

The examination mill grinds on and all the hopes or fears of having reached the peak have been falsified. The total number of candidates appearing in the various examinations of 1938 was 41,755 as against 39,838 in 1937 and 28,715 in 1929, an increase of 1,917 over last year and 13,040 in ten years.

Unfortunately, for the first time, there has been no increase in the number of girls. In fact, there has been a decrease. The total this year was 4,959, *i.e.*, 37 less than the previous year.

The Hindi examinations maintained their popularity and there was an increase of 487 candidates.

The pass-percentage in the Matriculation examination reached the record height of 80.9.

Ph.D.'s, which were so rare, are ceasing to be so. There were nine candidates for this Degree in 1938.

The new degree of the University in Dentistry had 20 candidates, out of which 16 were successful.

S.L.C. continues to be a waif. The S.L.C. certificate neither enables a boy to join a College, nor is it honoured for clerical jobs, as it is considered to be something inferior to the Matriculation. It is, therefore, no wonder that only 35 candidates sat for this Examination.

Candidates were informed beforehand of the dates on which the Matriculation, Intermediate and B.A. results would be declared and they were not disappointed. Results of other examinations were also declared according to schedule.

Printed copies of results were again available to the public simultaneously with the declaration of the results. Copies to outstations were despatched a day in advance.

Candidates were distributed as follows:

|                            |       |        |
|----------------------------|-------|--------|
| Matriculation              | .. .. | 22,694 |
| College examinations       | .. .. | 13,144 |
| O.T. and V.L. Examinations |       | 5,917  |

### **University Teaching.**

#### **The Teaching Staff**

(1) Dr. H. Chaudhuri, D.Sc. (London), Botany Department. M.Sc., Ph. D., D.I.C.; (2) Dr. S. L. Ghose, Ph.D. (Cantab.), M.Sc., F.L.S.; (3) Mr. M. C. Sethi, M.Sc.; (4) Dr. J. J. Singh, Ph.D. (London), M.Sc.; (5) Dr. P. L. Anand, Ph.D. (London), M.Sc.; (6) Mr. R. S. Chopra, M.Sc.; (7) Mr. Basir Ali Shaikh, M.Sc.; (8) Mr. P. N. Mehra, M.Sc.; (9) Mr. Raghu Nath Das, M.Sc.; and (10) Mr. Abdul Hamid.

The numbers of students in the various classes were distributed as follows:

|                              |                           |       |    |
|------------------------------|---------------------------|-------|----|
| B.Sc. (Pass)                 | { III Year                | .. .. | 47 |
|                              | { IV Year                 | .. .. | 61 |
| B.Sc. (Hons. School)         | { I Year (including K.C.) |       | 8  |
|                              | { II Year ( " " )         |       | 7  |
|                              | { III Year ( " " )        |       | 10 |
| M.Sc. (Research)             | .. ..                     |       | 3  |
| Post M.Sc. Research Scholars | .. ..                     |       | 2  |

The degree of Doctor of Science in Botany was conferred on Mr. Amar Chand Joshi, now Assistant Professor of Botany in the Benares Hindu University.

Dr. Chaudhuri was appointed President of Section 6 of the XII International Horticultural Congress held at Berlin during August 1938. He was also appointed a member of the Government of India Delegation to the same Conference. The British Association meeting at Cambridge was attended by Dr. Chaudhuri as a representative of the Panjab University. He also took the opportunity of visiting different botanical laboratories in Europe.

At the Jubilee Session of the Indian Science Congress held at Calcutta in January 1938, Dr. Chaudhuri, Dr. Ghose, Dr. Anand, Mr. Sethi and Mr. Nawazish Ali attended the Botany Section. Dr. Ghose and Dr. Chaudhuri took part in the discussion of various subjects, especially in the symposia on Rusts and Algal problems. Dr. Anand presented a paper on algal ecology. The 150th anniversary of the Royal Botanic Gardens, Calcutta, held during the Science Congress week, was also attended by Dr. Chaudhuri and Dr. Ghose. At the meeting of the Crop and Soil Wing of the Board of Agriculture held at Lahore in December 1937, Dr. Chaudhuri spoke on the work done in the Panjab University on plant protection. At the All-India Exhibition held in Lahore during December last the teaching staff and the senior students of the Botany Department took active part in the organisation of the botanical demonstrations in the Science Hall.

Mr. A. R. Quraishi, M.Sc., has been appointed a Cantonment Executive Officer. Ch. Bashir Ahmad, B.Sc. (Honours School), has been appointed in the Punjab Forest Department. Mr. Sultan Ahmad, M.Sc., B.T., has been appointed a lecturer in Biology in the Government College, Rohtak. Mr. Basir Ali, M.Sc., the University Demonstrator,

who was on deputation to the Doon School, Dehra Dūn, reverted to his substantive post. Consequent on his return, Mr. B. R. Vashist's services in the University were terminated. Mr. Vashist has, however, been appointed a science teacher by the Education Department. Mr. P. N. Mehra's term as McLeod Kapurthala Scholar came to a close last December. He will be submitting his thesis for the Ph.D. degree during the present session. Mr. Mehra is now permanently employed by the University as the third Demonstrator.

Mr. Mehra delivered a lecture on comparative study of the Ferns of the Eastern and Western Himalayas on the 13th January 1938. The chair was taken by Prof. V. H. Blackman, Sc.D., F.R.S., of the London University who congratulated the lecturer for his very interesting studies.

During the year under review, Mr. P. C. Joshi continued as University Research Scholar. Mr. C. L. Mohan, M.Sc., obtained a Cotton Committee's scholarship for research and training in plant breeding. Mr. N. S. Madan, M.Sc., has been appointed a Demonstrator in the D.A.V. College, Rawalpindi.

Mr. Abdul Majeed, M.Sc., a part-time demonstrator in the Government College, was awarded by the Punjab Rural Reconstruction Department two first prizes for his essays on rural subjects.

A fine collection of properly mounted ferns presented by the Church Missionary Society to the Punjab Government has been very kindly transferred to the Panjab University Botany Department. This forms a very valuable addition to the Department.

The Government College Botany Department acquired about 800 reprints of research papers belonging to the late Prof. Kashyap with which a nucleus of the Kashyap Memorial Reprint Section has been started.

The Government College students of the University classes made an excursion to Chamba during the summer holidays. Their expenses for

travelling were met by the Government College. University students could not participate in that excursion for want of any excursion grant. The Dean of University Instruction had, however, kindly sanctioned a part of the expenses of Mr. P. N. Mehra and Mr. R. S. Chopra, the University Demonstrators, for going to Sikkim and Pachmarhi (C.P.) respectively for collection of their research material. Advantage was taken of this and class materials were collected by them during these excursions. Private excursions were made and materials collected for the laboratory by Mr. P. C. Joshi, University Research Scholar, who trekked 150 miles along the Central Himalayas, and Mr. Basir Ali Shaikh, who collected algal material from the ports of Kathiawar, Porbunder and Virol and Mr. R. S. Chopra from Mussoorie.

The Botanic Garden has been maintained with the usual efficiency and is now a very popular place and attracts a large number of visitors every day.

Advice regarding diseases and disease control was sought by the Government Agricultural Department, Frontier Province, and other private and public bodies, and given freely.

A number of papers were sent by the members of the staff and students for the Indian Science Congress meeting at Calcutta.

The list of publications of this department is given in Appendix II.

*The number of students on rolls classwise—*

Zoology                      138 students attended the  
Department.              University classes in Zoology  
during the year 1937-38, as detailed below:

#### HONOURS SCHOOL

|          |    |    |   |
|----------|----|----|---|
| M.Sc.    | .. | .. | 3 |
| III Year | .. | .. | 4 |
| II Year  | .. | .. | 4 |
| I Year   | .. | .. | 7 |

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| B.Sc. (PASS) |    |    |                 |
|--------------|----|----|-----------------|
| IV Year      | .. | .. | 74              |
| III Year     | .. | .. | 46              |
|              |    |    | <hr/> 120       |
| Total        | .. | .. | <hr/> 138 <hr/> |

The results of the University Examination in Zoology have been as follows:

|                      | No. of<br>candidates. | No. of<br>successful<br>candidates. |
|----------------------|-----------------------|-------------------------------------|
| M.Sc. (Hons. School) | .. 3                  | 3                                   |
| B.Sc. (Hons. School) | .. 4                  | 4                                   |
| B.Sc. (Pass)         | .. .. 78              | 57                                  |

**The Teaching Staff.**—Dr. G. Matthai, M.A., Sc.D. (Cantab.), F.R.S.E., F.Z.S., F.L.S., I.E.S., University Professor of Zoology; Dewan Anand Kumar, M.A. (Cantab.), University Reader in Zoology; Dr. Vishwa Nath, M.Sc., Ph.D. (Cantab.), F.R.M.S., Lecturer in Zoology; Mr. Guran Lal Arora, M.Sc., University Demonstrator in Zoology; Mr. Najm-ud-Din, M.Sc., University Demonstrator in Zoology; Mr. Nazir Ahmad, M.Sc., University Demonstrator in Zoology; S. Sham Singh, M.Sc., University Part-time Demonstrator in Zoology; Mr. Ahmad Husain, B.Sc. (Hons.), University Part-time Demonstrator in Zoology; Mr. Mohd. Amin, M.Sc., University Part-time Demonstrator in Zoology; and Mr. K. L. Malhotra, B.Sc. (Hons.), University Part-time Demonstrator in Zoology.

The following papers were read before the Section of Zoology at the Silver Jubilee Session of the Indian Science Congress held at Calcutta in January 1938:

1. "Some Freshwater Sponges from the Dal Lake, Kashmir," by Dewan Anand Kumar, M.A. (Cantab.).

2. "The Decapod Sperm," by Dr. Vishwa Nath, Ph.D.
3. "Entomostraca of the Dal Lake, Kashmir," by G. L. Arora, M.Sc.
4. "On Some Tunicates from Karachi," by Shadi Lal, M.Sc.
5. "On the Fishes of the Dal Lake, Kashmir," by Nazir Ahmad, M.Sc.
6. "The Mechanism of Oviposition in the Ak-grasshopper (*Poecilocus pictus*)," by Sham Singh Kapur, M.Sc.
7. "The Incidence of Cestode Parasites among Ovine Hosts in the Punjab," by Mohammad Amin, M.Sc.
8. "Two New Species of *Avetellina* (Cestoda) from Ovines in the Punjab," by Mohammad Amin, M.Sc.
9. "The Occurrence of the Cestode, *Helicometra Giardi* (Moniez, 1879), in Indian Sheep," by Mohammad Amin, M.Sc.
10. "The Arterial System of the Mud Turtle, *Lissemys punctata*," by Miss B. K. Dhillon, M.Sc.
11. "A Preliminary Note on the Bionomics and Mass Breeding of *Trichogramma* Sp.," by Agha Ghulam Hussain, M.Sc.

Dr. Vishwa Nath paid a visit to Karachi in September, 1938, to collect material for his research work on the Sperm of Decapod Crustacea.

Sham Singh, M.Sc., has been appointed Professor of Biology, Sikh National College, Lahore, from October 1938. Mohan Singh, M.Sc., has been appointed Assistant Entomologist to the Imperial Entomologist, Imperial Agricultural Research Institute, New Delhi, from July 1938. Ghulam Hussain Agha, M.Sc., has been appointed as Research Assistant, Fisheries, Punjab, under the Director of Agriculture, Punjab, from May 1938. Harbans Lal Tandon, B.Sc. (Hons.), has been appointed as Research Assistant, Fisheries, Punjab, under the Director of Agriculture,

Punjab, from May 1938. Miss Bachint Kaur, M.Sc., as an officiating Lecturer in Lyallpur College for Women from September 1938. Chiman Lal Bhatia, M.Sc., as temporary Demonstrator in Zoology with effect from 1st October 1937. Mohd. Amin, M.Sc., as part-time University Demonstrator in Zoology with effect from 1st October 1937. He was also awarded a Research Scholarship of Rs. 75 per mensem. Ahmad Husain, B.Sc. (Hons.), as part-time University Demonstrator in Zoology with effect from 1st October 1937. K. L. Malhotra B.Sc. (Hons.), as part-time University Demonstrator in Zoology on an allowance of Rs. 25 per mensem with effect from 6th October 1937.

The list of Research work done by the staff and students is printed in appendix II.

### No. of Students.

#### Chemistry

##### Department.

|               |    |    |    |
|---------------|----|----|----|
| 1st Year      | .. | .. | 25 |
| 2nd Year      | .. | .. | 29 |
| 3rd Year      | .. | .. | 38 |
| M.Sc. (Pure)  | .. | .. | 17 |
| M.Sc. (Tech.) | .. | .. | 15 |

Staff.—Prof. S. S. Bhatnagar, O.B.E., D.Sc., F.Inst.P., Professor of Physical Chemistry and Director, University Chemical Laboratories; Prof. J. N. Ray, Ph.D., D.Sc., F.I.C., Professor of Organic Chemistry; Prof. H. B. Dunncliff, M.A., Sc.D., F.I.C., I.E.S., Professor of Inorganic Chemistry; Prof. P. C. Speers, M.Sc., Professor of Industrial Chemistry; Dr. N. A. Yajnik, M.A., D.Sc., A.I.C., Reader in General Chemistry; Sardar Mahan Singh, M.Sc.; Dr. G. L. Datta, M.A., Ph.D.; Sh. Munir-ud-Din, M.Sc.; Mr. P. L. Kapur, M.Sc., Demonstrator in Inorganic Chemistry; Mr. A. N. Kapur, M.Sc., Demonstrator in Physical Chemistry; Mr. K. N. Gaiind, M.Sc., Demonstrator in Organic Chemistry, and Dr. K. S. Narang, M.Sc., Ph.D., Microanalyst.

The number of students and research workers in the laboratories has shown further increase and the paucity of space and hands makes further expansion more difficult.

The following research scholars are being maintained at the University Chemical Laboratories:

- |                               |   |                                      |
|-------------------------------|---|--------------------------------------|
| 1. Dr. K. G. Mathur ..        | } | Fellows under Steel Brothers Scheme. |
| 2. Mr. N. G. Mitra ..         |   |                                      |
| 3. Mr. S. D. Mahant ..        |   |                                      |
| 4. Mr. Badr-ud-Din ..         |   |                                      |
| 5. Mr. Mohan Lal Khanna ..    |   |                                      |
| 6. Mr. K. C. Gulati ..        |   |                                      |
| 7. S. Bharpur Singh ..        | } | Birla Brothers Scheme.               |
| 8. S. Kartar Singh ..         |   |                                      |
| 9. Mr. Nazir Ahmed ..         |   |                                      |
| 10. Mr. Jagdish Narain ..     |   |                                      |
| 11. Mr. Manphul Singh Jain .. |   |                                      |
| 12. Mr. B. N. Sikka ..        | } | Lala Shri Ram Scheme.                |
| 13. Mr. V. S. Bhatia ..       |   |                                      |
| 14. Mr. Mohindra Sarup ..     | } | Seth Padampat Scheme.                |
| 15. Mr. Jai Chand ..          |   |                                      |
| 16. Mr. Prem Prakash ..       |   | Sir J. P. Shrivastava Scheme.        |
| 17. Mr. Vidya Dhari ..        |   | Lahore Electric Supply Co., Ltd.     |
| 18. Mr. N. N. Chopra ..       |   | Indian Mildura Fruit Farm.           |
| 19. Dr. P. N. Sahai ..        |   | Ganesh Flour Mills Ltd.              |
| 20. Mr. Brahm Prakash ..      |   | University Scholar.                  |

Besides these, the following are doing their research work at the University Chemical Laboratories:

1. Mr. Satyendra Kumar.
2. Mr. Bhim Sain.
3. Mr. B. D. Khosla.
4. Mr. Girdhari Lal.
5. Mr. Abdul Hamid.
6. Mr. Jamna Shankar.
7. Mr. Abdul Hamid,

The students trained in the University Chemical Laboratories have secured the following appointments during the year under review:

1. Mr. Joti Sarup Aggarwal .. Research Chemist, Govt. Test House, Alipore (Calcutta).
2. Mr. M. B. Nevgi .. Professor of Physics, Rajaram College, Kohlapur.
3. Dr. H. S. Mahal .. Messrs. Birla Jute Manufacturing Co., Calcutta.
4. Dr. R. N. Mathur .. Lecturer, Meerut College, Meerut.
5. Mr. Anwar Hussain .. Punjab Agricultural Department, Lyallpur.
6. Mr. Satya Pal Marwah .. D.A.V. College, Rawalpindi.
7. Mr. Ijaz Ilahi ..
8. Mr. Dina Nath Kohli ..
9. Mr. P. N. Dhir ..
10. S. Bhag Singh Lamba ..
11. Mr. Mohd. Azam ..
12. Mr. Ishwar Chandra .. Starch Factory, Jagadhari.

Mr. M. L. Dhar has proceeded to England for further studies on a scholarship awarded to him by the Kashmir Government.

Prof. S. S. Bhatnagar was elected Dean of University Instruction for the year 1938. On a request from Mr. Darling, the then Vice-Chancellor, he cancelled his departure to Rome to represent the Panjab University at the International Chemical Conference there. He was invited to attend a Joint Conference of the Bihar, the United Provinces and the Central Provinces Governments to consider the question of the rehabilitation of the lac industry at Ranchi on 23rd August 1938. Prof. Bhatnagar also visited the Forest Research Institute, Dehra Dun, on the 9th of September on

a request from the Government of India, Education, Health and Lands Department, and the President of the Institute, to report on the progress of scientific research particularly physico-chemical research in relation to its industrial application. He was appointed by the Bombay University as a member of the Committee appointed to inspect their Department of Chemical Technology and to select the Professor and Head of this Department. He has been elected as a member of the Executive Council of the Indian Institute of Science at Bangalore from the Delhi, Bombay and Panjab Universities. He was appointed as Chairman of a Committee to inspect the recognised colleges of the Delhi University in respect of the instruction, education and discipline therein.

Prof. Dunnicliff has continued his excellent work as Chemical Adviser to the Central Board of Revenue.

Prof. J. N. Ray and Prof. P. C. Speers have been nominated as members of a sub-committee appointed to explore the possibilities of chemical industries in the Punjab. Professor Bhatnagar was nominated as Chairman of this Committee. Prof. Carter Speers was appointed as a member of the Selection Committee for appointments at the Indian Institute of Science, Bangalore.

The list of papers published is given in Appendix II.

During the summer of 1938, the first batch of eleven students of the final year of the Honours School in Physics appeared for the M.Sc. (Honours School) examination and were declared successful; three of them obtaining first class. One of these has been awarded the R.B. Kanhaya Lal research scholarship and has started work in the Physics laboratory of the Government College where the department is situated; six have been employed in colleges affiliated to the University and the remaining four are preparing for the various competitive examinations. In the B.Sc. (Honours

School) examination, twelve students appeared, all being successful, three of them getting first class. One of these has got employment, while another has joined the Indian Institute of Science, Bangalore. The remaining ten students have joined the M.Sc. class. In October 1938, five students have been admitted to the first year. The total number of students on the roll for the next year (1938-39) is 35, namely, 10 in the fourth year, 14 in the third year, 6 in the second year and 5 in the first year.

Five meetings of the Physics Association were held during the year in which papers were read on (1) Cosmic Rays, (2) Wireless Receivers, (3) Methods of Radio Reception, (4) Colour Vision and (5) Wave Mechanics. Most of the students have taken interest in hobbies like glass blowing, photography, radio and workshop practice, for which the school provides facilities. The students' class library is quite popular and is making slow but steady progress, the total number of books having increased from twenty to twenty-five. The two University lecturers with three students of the school attended the Jubilee Session of the Indian Science Congress held at Calcutta.

The teaching staff consisted of Professor J. B. Seth as the Head of the Department, two University lecturers and seven participating lecturers of the local Colleges as given below :

J. B. Seth, M.A., I.E.S., Professor of Physics, Government College; J. M. Benade, M.Sc., F. C. College; G. L. Datta, M.Sc., Ph.D., D.A.V. College; R. M. Chaudhri, M.Sc., Ph.D., Islamia College; P. K. Kichlu, M.Sc., D.Sc., Government College; B. D. Chhabra, M.Sc., Government College; Mela Ram, M.Sc., F. C. College; Pran Nath, M.Sc., D. S. College; B. M. Anand, M.Sc., University Lecturer, and F. C. Auluck, M.A., University Lecturer.

Three papers were published during the year from this Department and twelve papers have been sent for the Indian Science Congress to be held at

Lahore in January 1939. The list of papers is given in the Appendix.

As directed by the Syndicate, a subject conference for Physics was held on Monday, the 9th May 1938. The Conference was opened by J. G. Bhandari, Esq., ex-Accountant-General of the Punjab and one of the oldest Physics M.Sc.'s in the Province, who also kindly presided at the morning session. The afternoon session was held under the chairmanship of Lala Chetan Anand, ex-Principal, Government College, Lyallpur. About 40 teachers attended the Conference, nearly half of them being from the Mufassil. A number of subjects were discussed and some definite resolutions were passed. Copies of the subjects discussed and the resolutions passed were sent to the University for necessary action.

The number of students in the two M.A. Mathematics classes was 40 and 40. The Department. University Professor was on furlough for 6 months and Pandit Hem Raj officiated in his place as Head of the Department. Prof. Rao's lecturing work with the M.A. classes was carried through for part of the time by Dr. K. K. Mitra and for the rest of the period by Messrs. Vidya Parkash and Faqir Chand, on the basis of temporary University lecturers.

A conference was held during the year of the teachers of the subject in the province attended by a fair number of teachers from outside Lahore.

The number of students enrolled is as under:  
History Department.

**A.—M. A. History**

|         |    |    |    |       |
|---------|----|----|----|-------|
| V Year  | .. | .. | .. | 57    |
| VI Year | .. | .. | .. | 49    |
|         |    |    |    | <hr/> |
|         |    |    |    | 106   |

**B.—Honours School in History**

|         |    |    |    |       |
|---------|----|----|----|-------|
| I Year  | .. | .. | .. | 6     |
| IV Year | .. | .. | .. | 4     |
|         |    |    |    | <hr/> |
|         |    |    |    | 10    |

The following numbers were declared successful in the examinations noted below:

|                            |                 |       |
|----------------------------|-----------------|-------|
| A.— <b>M.A. History</b> .. | 1st Division .. | 2     |
|                            | 2nd Division .. | 15    |
|                            | 3rd Division .. | 18    |
|                            |                 | <hr/> |
|                            |                 | 35    |

Eleven private candidates sat in the M.A. History Examination, of whom 4 were declared successful, 2 in Second Division and 2 in Third Division.

B.—(i) **B.A. Honours (History)**

All six I Year students were promoted to II Year Honours School in History.

(ii) **M.A. Honours (History)**

|                 |   |
|-----------------|---|
| 2nd Class .. .. | 3 |
|-----------------|---|

The teaching staff consisted of the following:

(1) Professor J. F. Bruce, M.A.; (2) Mr. Sri Ram Sharma, M.A.; (3) Mr. A. R. Khanna, M.A.; (4) Mr. U. N. Ball, M.A.; (5) Mr. J. D. Ward, M.A.; (6) Mr. Gulshan Rai, B.A., LL.B.; (7) Mr. R. R. Sethi, M.A.; (8) Dr. C. J. Chacko, M.A., Ph.D.; and (9) Dr. B. A. Kuraishi, M.A., Ph.D.

Mr. Sunder Lal Bhalla, M.A. (Hons.), was elected Alexandra Research Student on 1st December 1937, and is engaged upon research on "Sir David Ochterlony."

The following papers were contributed by Professor J. F. Bruce:

- (1) "The Historical Background of the present Situation in China." (Journal of the Panjab University Historical Society).
- (2) "The Correlation of Indian Historical Records." (Government of India Press, Simla).
- (3) "Sher Singh Nama." (Journal of Indian History).

The following research work was done by others:

- (1) "Social Life in the Sikh Kingdom," by Mr. P. N. Khera.
- (2) "India's Contribution to World Civilization," by Dr. Lakshman Sarup.

Professor Bruce represented the University at the fourteenth session of the Indian Historical Records Commission, held at Lahore in December 1937.

Mr. Gursaran Das Kalia, B.A. (Honours), Class I, was selected by competition for appointment to the I.C.S. Mr. Shanti Sarup Gandhi, M.A. (Honours), Class I, was appointed Lecturer in History at Edwardes College, Peshawar.

- (a) A course of instruction in Archæology was conducted by Dr. C. L. Fabri, Ph.D., D. Litt. It consisted of 4 lectures; 4 demonstrations at the Lahore Central Museum; and 4 excursions to various sites:

- (i) Kala Shah Kaku, (ii) Harappa, (iii) Taxila, and (iv) the tombs of Shahdara.

Edwardes College, Peshawar, was affiliated to the University to the M.A. standard in History and arrangements have been made for the collaboration of the University Department of History in the instruction of candidates for the M.A. from this College.

Three meetings of the Panjab University Historical Society were held during the year. The following papers were read:

- (i) "An example of Irresponsibility in Foreign Policy," by Mr. J. D. Ward, M.A., Professor of History, Government College, Lahore.
- (ii) "Astronomical Knowledge of the Mohenjo Daro People," by Professor H. Heras, S.J., M.A., of St. Xavier's College, Bombay.

(iii) "The Historical Background of the Present Situation in China," by Professor J. F. Bruce, M.A.

There were 27 students in VI Year M.A. Economics and 20 students in V Year.  
Department of Economics.

Besides the University Professor, Dr. E. D. Lucas, M.A., D.D., Ph.D., Prof. G. D. Sondhi, M.A., I.E.S., Prof. A. N. Bali, M.A., Dr. S. M. Akhtar, M.A., Ph.D., Dr. I. Durga Parshad, M.A., Ph.D., Prof. D. N. Bhalla, M.A., Dr. B. K. Madan, M.A., Ph.D., Mr. H. C. Saxena, M.A., Dr. J. N. Khosla, M.A., Ph.D., Bar-at-Law and Mr. S. P. Jain, M.A., participated in the teaching.

A special feature of the session was the large number of special offices in which members of the Economics Department served the Central and Provincial Governments. Dr. L. C. Jain, the University Professor, continued a Member of the Indian Tariff Board on Sugar till the end of 1937. Mr. B. K. Madan, the University Lecturer worked throughout the session as Assistant Secretary of the Punjab Resources and Retrenchment Committee. Dr. Lucas was the Head of the Economics Department during Dr. Jain's deputation with the Government of India, while Mr. H. C. Saxena officiated as University Lecturer vice Mr. B. K. Madan. Dr. Akhtar was appointed member of the Resources and Retrenchment and Industrial Survey Committee. Dr. Lucas officiated as Secretary of the Board of Economic Inquiry during the summer months. Dr. Jain was appointed member of the Punjab Public Library Committee and of the Provincial Industrial Survey Committee. The University Research Scholar in Economics, Mr. Lila Krishna Sahgal, was placed by the Provincial Government on special duty to investigate the marketing conditions in the Punjab and make a comparative study in other provinces. He submitted a valuable report as a result of a wide tour and very laborious research. Since

then he has been engaged in the industrial survey work of the province.

Another gratifying feature is the growing progress of research work conducted by teachers and scholars in the Economics Department which has won the appreciation of the highest authorities including Dr. T. E. Gregory, Economic Adviser to the Government of India. The University Lecturer, Mr. B. K. Madan, produced an admirable monograph on Imperial Preference and India—a study in Commercial Policy on which he was awarded the Ph.D. Degree in Economics, while the Research Scholar, Mr. Lila Krishna Sahgal, did first rate work on the most important problem of Marketing. At the end of the session, the results of his investigations were published in the form of a book, and the University made a special contribution towards the expenses of the publication. The book was extremely well reviewed in various journals, and according to Professor Brij Narain, it is “a model of research.”

Among the higher degree students, Mr. D. C. Ghose completed his Ph.D. thesis on “Internal Trade Statistics of India” and Mr. J. N. Chawla his D.Litt thesis on “Indian Budgets since 1919” under the supervision of the University Professor. Mr. Ghose worked for two years in Calcutta in the Indian Statistical Institute, the Department of Commercial Intelligence and Statistics, in the Imperial Library and in the Reading Rooms attached to the offices of the American and Canadian Trade Commissioners. Mr. Ghose has contributed several original papers which have been highly appreciated. In addition to the subject of his Doctorate thesis, he also made an extensive study of the methods of compiling Agricultural Statistics in India and in other countries, notably United States of America, Canada and Australia.

Mr. Amar Chand Bhatia, the Birla Research Scholar, continued his most interesting investigations into the problems of beggary in the Central

Punjab under the able guidance of Dr. E. D. Lucas and Professor G. C. Chatterji. He read a paper on "Beggary in Lahore" before one of the meetings of the Rotary Club, Lahore. The Club, later on, published his paper to stir public feelings about the menace of its increase unless remedial measures are taken in time. Mr. Bhatia also delivered two lectures on his subject before the leading citizens of Amritsar and of Gujranwala. His other paper entitled "The Psychology of the Beggars" will be read before one of the meetings of the All-India Science Congress (Psychology Section) in January 1939. His two papers on "Beggary: our Government and Municipality" and "Beggars' nuisance and our social waste" are in the press. He is also submitting a practical scheme for Industrial Homes for beggars to the Punjab Government.

The new Research Scholar, Mr. V. K. Chopra, M.A., appointed from 16th June 1938, is studying the "Indo-Japanese Trade Relations"—a subject of increasing importance to the country. He has had the benefit of discussing his work personally with the Consul-General for Japan in India and getting access to all published material in the library of the Consul-General. Mr. Chopra has also prepared a paper on "Debt Legislation—History and Recent Developments" for the next All-India Economic Conference.

It will thus appear that the Economics Department, through its teachers and scholars, is now engaged in studying problems of immediate and considerable importance to the country, and serving the State as well as the public by bringing new facts and data to light.

The Panjab University Economics Society added to its previous record another year of very useful work. It had the distinction of inviting and listening to the distinguished economist, Dr. T. Gregory, Economic Adviser to the Government of India, who visited the Library

and Reading Room of the Society, and expressed great satisfaction with all that he saw. The reception held in honour of Dr. Gregory was attended by the Hon'ble Mr. Manohar Lal, Finance Minister, Mr. M. L. Darling, the then Vice-Chancellor, Dr. E. D. Lucas and a number of other distinguished educationists and leaders of the Province. In addition to a series of important lectures, including those by Mr. Manilal B. Nanavati, Deputy Governor, Reserve Bank of India, Mr. M. L. Darling and Mr. Rassmuss, German Trade Commissioner in India, the Society reorganised the Students' Lending Library, and put it on a sound footing. The working of the Society reflected great credit on its General Secretary, Mr. Ved Bratt Ahuja.

Twenty-eight students appeared for the M.A. Economics Examination and 22 were declared successful, of whom four were placed in the first division, 15 in the second division and only three in the third division. The distinction of the first place went to the Islamia College, Lahore. Sheikh Anwar-ul-Haq, who stood first, secured record marks in Economics and is now preparing for the I.C.S. Examination in which he may well create another record. The student next to him was appointed research scholar, while the third, Mr. Dharan Dev Anand, has been employed as Lecturer in the D.A.V. College, Jullundur. Two other students, Messrs. Lila Krishna and Harbans Singh, were employed as Industrial Surveyors by the Punjab Government, and Miss Kamla Thapar, who passed the M.A. Economics examination in the second division, received a teaching appointment in a local college. While the problem of unemployment remains acute, it is gratifying to note that both Government and public bodies are beginning to appreciate the advantage of utilising economic talent for technical appointments, and the best students in Economics are, as a rule, able to find useful employments.

Fifth year students on rolls were 48 and 6th Political Science year students on rolls were 34. Department.

**Teaching Staff.**—Prof. G. D. Sondhi, Prof. Sri Ram Sharma, Dr. C. J. Chacko, Prof. L. R. Sethi, and Dr. J. N. Khosla.

The research work published by the staff is given in Appendix II.

| Arabic Department. |       | Classes in Arabic.<br>Oriental Govt. Islamia College. College. College. |   |   | Total. |
|--------------------|-------|-------------------------------------------------------------------------|---|---|--------|
| B.A. Honours       | .. .. | 11                                                                      | 9 |   | 20     |
| M.A., V Year       | .. .. | 1                                                                       | 2 |   | 3      |
| M.A., VI Year      | .. .. | 3                                                                       | 1 | 4 | 8      |
| Total              |       |                                                                         |   |   | 31     |

The examination results of the University Classes were as follows:

|               | No. of<br>candidates<br>sent up. | No. of<br>successful<br>candidates. |
|---------------|----------------------------------|-------------------------------------|
| B.A., Honours | .. 8                             | 7                                   |
| M.A.          | .. 5                             | 3                                   |

Out of the successful M.A. candidates two were placed in Class I, and one in Class II.

#### *Staff.*

There was no change in the teaching staff.

#### *Research Students.*

Malik Abdul Qayyum, M.A., continued to hold the McLeod Arabic Research Studentship during the year. His Index of the Poets quoted in the "Lisan-ul-Arab" (20 Volumes) has been published in the "Oriental College Magazine." The Index of Rhymes occurring in the same work is now ready and is being arranged alphabetically.

M. Umar Ahmad Uthmani held the Bahawalpur Studentship during the year. He has critically edited Al-Qalqashandi's "Nihayat-ul-Arab fi Marifat-i-Qabail il-'Arab" and placed it in the University Library.

Professor F. M. Shuja (S. E. College, Bawalpur) has obtained his Ph.D. degree on his thesis on the *Kitab al-Manazir*. Prof. Pir Mohd. Hasan (Lahore College for Women, Lahore) continued to work on his thesis on Shahrastani's *Nuzhat ul-Arwah* under the guidance of the University Professor of Arabic and has submitted it for the Ph.D. degree.

*Search and Purchase of Mss.*

One hundred and five Arabic and Persian Mss. and 119 old printed books were examined and reported upon for the Panjab University Library.

Rotographs of Sam Nameh and *Mujam-ul-Alqab* by Ibn-ul-Fuwati were obtained by the Panjab University at the suggestion of the University Professor of Arabic.

*Employment of the Graduates of the year.*

Malik Wazir Ali, M.A., was selected by competition, for Indian Audit and Accounts Service. Agha Abdus Sattar, M.A., has been appointed Officiating Lecturer in the Government College, Lahore. M. Ghulam Jilani, M.A., has been appointed Lecturer in the Government College, Ludhiana.

*Panjab University Arabic and Persian Society.*

This Society was started in May 1937, with the object of discussing problems connected with Arabic and Persian Languages and literatures, advancing the cause of these studies and the publication of Arabic and Persian texts and monographs. The membership of the Society is open to students and University and College teachers and other persons elected by the Executive Committee. Six meetings were held during the year for discussion of papers apart from three business meetings. The Society has started the publication of a quarterly journal. Four issues covering 309 pages appeared during the year.

*The Oriental College Magazine*

Four issues of *The Oriental College Magazine*, covering 518 pages, were edited and published during the year.

The number of students attending the University Classes was 45 as against 41 last year:

| Sanskrit Department. | O.C. | G.C. | D.A.V.C. | S.D.C. | Total. |
|----------------------|------|------|----------|--------|--------|
| B.A. Hons. III Year  | ..   | ..   | 4        | 4      | 8      |
| B.A. Hons. IV Year   | ..   | 2    | 4        | 3      | 9      |
| M.A. V Year          | 5    | 1    | 7        | 3      | 16     |
| „ VI Year            | 5    | 1    | 2        | 4      | 12     |

The results of the University Examinations were as follows:

|                        | No. of candidates appeared. | No. of candidates passed. |
|------------------------|-----------------------------|---------------------------|
| <b>M.A.</b>            |                             |                           |
| Oriental College ..    | 2                           | 2                         |
| Government College ..  | 1                           | 1                         |
| D.A.V. College ..      | 1                           | 1                         |
| Sanatan Dharam College | 4                           | 3                         |
| <b>B.A. Honours</b>    |                             |                           |
| Government College ..  | 2                           | 1                         |
| D.A.V. College ..      | 2                           | 1                         |
| Sanatan Dharam College | 3                           | 2                         |

In the teaching staff, Mr. Saran Das Bhanot, M.A., acted as part-time Lecturer in Veda during the autumn term up to December 7th, 1937. Dr. Surya Kanta, M.A., D. Phil. (Oxon.), D. Litt. (Panjab), joined as Reader in Sanskrit in the Oriental College from 8th December 1937 and took over the teaching in Veda, Philology and Vedanta.

The following theses were written by the students for their M.A. Examination:

(1) "A Concordance to the Satyashadha Hiranyakes" in Sutras with an introduction, by Purshottam Sharma; (2) "An English Translation of the Tripuradaha of Vatsuraja," by Virvanatla; (3) Critical Text of 24 Sargas of Sundarakanda of Ramayana (North Western Recension), by Jagadeva Singh; (4) An English Translation of the First Eleven chapters of the Virataparvan of the Mahabharata, by Satish Chandra; (5) "An English

Translation of Pradyummabhyudaya," by Madan Mohan; (6) "The Sabhayabharana with Rasmimala Comment" (first four ullasa), by Gobind Ram; (7) Interrelationship of Kautilya and Kamandaka, by Ram Sarup; and (8) 'The Vaitanasutra' (I-IV), by Hira Lal.

Four issues of *The Oriental College Magazine* (Sanskrit and Hindi Section) were published.

The Department arranged lectures by two distinguished Orientalists, Dr. Goetz of Holland and Professor Kunjwadkar of Poona.

Dr. Lakshman Sarup, M.A., D.Phil (Oxon), Head of the Department, took part in the deliberations of the ninth All-India Oriental Conference, held at Trivandrum in December 1937, and read two papers in the Vedic and Classical Sections. He was elected a member of the Executive Committee of the All-India Oriental Conference.

Mr. Prakash Chandra Suri, M.A., was appointed a temporary Lecturer first in the Government College and then at the S. D. College, Lahore. Mr. Gobind Ram Shastri, M.A., has been appointed a temporary teacher in the Central Model School, Lahore. Mr. Oma Datta has been appointed Head Master of the Government High School, Delhi. Mr. Jagdish Shastri, M.A., M.O.L., was awarded the McLeod Kashmir Research Studentship at the Panjab University.

The numerical strength of the Persian Classes was as follows:

|                     |       | <b>M.A.</b> |    |    |       |
|---------------------|-------|-------------|----|----|-------|
| VI Year             | .. .. | ..          | .. | 9  |       |
| V "                 | .. .. | ..          | .. | 21 |       |
| <b>B.A. Honours</b> |       |             |    |    |       |
| III Year            | .. .. | ..          | .. | 33 |       |
| IV "                | .. .. | ..          | .. | 26 |       |
| Total               |       |             |    | 89 | <hr/> |

Twelve students went up for the M.A. examination out of whom eight passed, two obtaining first class and two second. Bikramajit Hasrat of the Oriental College presented his thesis on the "Life and Works of Prince Dara Shikoh," which was highly commended by the external examiner.

During the year under report, Lok Nath, M.A., formerly of the Oriental College, was appointed Lecturer in Persian in the Jain College, Ambala, while Karam Dad Khan, M.A. (of the Oriental College) was one of the successful candidates in the open competition of the Provincial Civil Service examination. Agha Abdus Sattar, M.A., the Persian Research Scholar, was appointed Temporary lecturer in the Government College, Lahore.

The University Research Scholarship for Persian was awarded to Taj Mohd. Baloch, M.A., who has taken up the critical editing of the "Mathnawis of Khwāju." He is using the rotographs of the same in the University Library along with a Mss. borrowed from the India Office Library.

### *Staff*

During the year under report, Mr. Syed Aulad Husain Shadan retired from the Oriental College and was succeeded by Dr. Syed Mohammad Abdullah, M.A., M.O.L., D. Litt., who has now taken up the teaching of M.A. classes.

### *Affiliation*

Affiliation was granted to the Sanatan Dharam College for M.A. classes in Persian.

The list of the Research Work of the Department is given in Appendix II.

The number of students attending the Observatory was as follows:

|                 |    |    |    |
|-----------------|----|----|----|
| B.A. and B.Sc.  | .. | .. | 12 |
| M.A., Practical | .. | .. | 40 |

There has been no change in the staff. A paper was read by the Reader at the Conference of the Indian Mathematical Society held at Lucknow

in April 1938. The following paper written by the Reader was published in the Proceedings of the National Academy of Sciences, India, Vol. 8:

"Certain Modifications of Dedekind's Theorem of Continuity."

Research work on the Motions of Galactic Stars is being continued and a paper entitled

"The Southern Stream and the K Term"

has been prepared, which it is hoped will be published during the coming year. Time observations have been carried on by the staff at regular intervals. Lectures were delivered by the Reader at the Government and D.A.V. Colleges on popular Astronomical subjects.

The following publications of the Harvard College Observatory for the current year were received during the year and are gratefully acknowledged:

(1) Bulletin of the Harvard College Observatory; (2) Circulars of the Harvard College Observatory; (3) Annals of the Harvard College Observatory; and (4) Harvard Reprints of the Harvard College Observatory.

The University German classes opened on the University German 15th October 1937, and closed Classes. as follows:

Elementary class on 26th March 1938.

Advanced Class on 30th May 1938.

The Session opened with twelve students in the Elementary Class and seven students in the Advanced Class.

The results of the examinations have been very encouraging, for out of the total of sixteen students who sat for the qualifying tests, thirteen passed, out of whom six were placed in the first division and the rest in the second division.

A noteworthy feature of the session was the frequent use made of the linguaphone records which were very much appreciated by the students as being very helpful in correcting their pronunciation and in impressing upon them the proper

idiomatic use of the language. The value of the records in giving the students an idea of the German language as it is actually spoken cannot be too much emphasized. I am glad to record a high standard of efficiency attained by the Advanced Class students, and it is hoped that this high standard will be maintained. Another feature of the session was that the majority of members were post-graduate research students.

### **The Panjab University Foreign Information Bureau**

The duties of the Honorary Secretary were discharged as during the previous year by Mr. M. G. Singh, Vice-Principal, Central Training College, Lahore.

This year there has been a great rush of written enquiries from students as well as from the High Commissioner's Office, owing to the decrease in rates of Air Mail Service. The Secretary and his Assistant personally interviewed the students and their parents or guardians and gave them the necessary advice and help in each case. The number of personal enquiries and interviews has been considerably higher in comparison with the previous years. This and the figures in paragraph 3 indicate clearly a revival of interest on the part of parents and students alike in the question of studies abroad. This was inevitable with the general brighter outlook in the field of employment in the country. The need for the services of a *Record Lifter in the Office* is now very urgent, as the Assistant, with his present duties, cannot devote his time to the necessary study of prospectuses and other literature received from the High Commissioner for India, Education Department, London, in order to keep his knowledge of facts up to date.

It is worthy of note that the number of students on whose behalf admission was arranged with foreign Universities shows an increase over

the corresponding figures for the previous academic year :

|                                     | 1936-1937. | 1937-1938. |
|-------------------------------------|------------|------------|
| Aeronautical Engineering ..         | 3          | 4          |
| Civil and Electrical Engineering .. | 6          | 4          |
| Technology ..                       | 3          | 4          |
| Oxford, Cambridge and London ..     | 8          | 14         |
| Teaching ..                         | 2          | 3          |
| Economics ..                        | 1          | 3          |
| Medicine and Dentistry ..           | 1          | 7          |
| Bar ..                              | 3          | 4          |
| Radio ..                            | 6          | 8          |
| Veterinary ..                       | 3          | 6          |
| Agriculture ..                      | 2          | 2          |
| Geography ..                        | 3          | 1          |
| Miscellaneous ..                    | 1          | 4          |
| Totals ..                           | 42         | 64         |

The total number of applications received was 64 as against 42 in the last year. Out of them 46 were accepted, six rejected and others are still pending. In addition to the above cases the office of the High Commissioner for India, London, referred to this Bureau the cases of about 160 persons, who had corresponded direct with Colleges and Universities in the British Isles. This year four women graduates sailed for higher studies in Geography, Teaching and Medicine.

It is of interest to note that the Bureau received many enquiries relating to employment in addition to the usual enquiries regarding foreign studies. These enquiries were either answered by the office in the light of information available or the enquirers were put in touch with sources whence the required information could be obtained.

The Bureau published particulars, in the Punjab and N.W.F.P., of an external research studentship, of the value of Rs. 150, tenable at Emmanuel College, Cambridge, and for an appointment to a research studentship of the value of about £200 at Christ's College, Cambridge, for a course leading to the degree of Ph.D.

The High Commissioner for India, Education Department, London, appointed Miss C. H. Bose, who is an officer attached to his office, to work as an Accommodating Officer to arrange for accommodation and other facilities for Indian students in London. The students now get into touch with her before they land in England.

Some students had shown their inclination to go to Japan and Germany. Enquiries had to be made from the Japanese and the German Consulate-Generals with regard to this. It would be advantageous if the Government of India were addressed by the University to request their Trade Commissioner in Japan and Germany to afford facilities to Indian Students, who may be seeking their help and to supply information concerning courses of studies in those countries. It would be of immense advantage to students going out to those countries if they could look upon the Trade Commissioners as their local guardians.

### **Panjab University Public Services Examination Class**

The Public Services Examination Class is now well established. Every year candidates appearing in the Class have fared better than those appearing from any other University. This year three of our students were successful in the I.C.S. in the open competition, and two were successful in the Indian Audit and Finance Examination. The Federal Public Services Commission have expressed their approval of an advisory and tutorial course such as that which is being attempted in the Panjab University. As a consequence several candidates have been attracted to our class from the U.P. and from as far afield as Poona.

In spite of the fact that the Syndicate raised the tuition fees of the class from Rs. 50 to Rs. 60 (in order to make the class self-supporting), we received about 60 applications for admission to this class, out of which only 31 students were selected by the Adviser.

This year we have introduced lectures and tutorial work in the Vernacular Languages, *i.e.*, Urdu, Hindi and Panjabi. In addition to the usual courses in the compulsory subjects, special lectures were arranged through the courtesy of various University and College Professors.

While on the whole the quality of candidates offering themselves for the All-India Services is improving, there is still a tendency on the part of many who are totally unfitted for open competitions, to try their luck. Every effort is made to discourage such unsuitable candidates, but in view of the very inadequate grant sanctioned for this class, it is found necessary to admit many, so as to realise the necessary amount of fees. It is hoped that more adequate funds will be available for this work, for the work cannot be efficiently carried on, unless there is real selection and restricted admission to the class.

### **University Law College.**

The College reopened after the Summer Vacation on the 1st of October when admissions were made to the Law classes for the academic year of 1937-38.

The Staff consisted, besides the Principal, of four wholtime Readers, two part-time Readers and sixteen part-time lecturers.

The Syndicate, vide its Proceedings dated the 18th March 1938, sanctioned the appointment of one additional temporary clerk for nine months in the year.

The maximum number of students on the rolls in the various classes, as compared with the figures of the preceding year, was as follows:

| Name of Class.           | In 1937-38. | In 1936-37. |
|--------------------------|-------------|-------------|
| P.E.L. Class             | 246         | 227         |
| F.E.L. Class (New Regs.) | 157         | nil         |
| LL.B. Class (Old Regs.)  | 167         | 371         |
| Conveyancing Class       | 14          | 11          |
|                          | <hr/>       | <hr/>       |
| Totals                   | 584         | 609         |
|                          | <hr/>       | <hr/>       |

The number of weekly lectures delivered to each section of the P.E.L., F.E.L. and LL.B. Classes was 17, 20 and 19 respectively.

A house Examination of the P.E.L., F.E.L. and LL.B. classes was held in January 1938.

The Annual Sports Tournament was held in December.

The annual Prize Distribution Function was held in February.

Four issues of the College Journal were brought out during the year under report.

The total income from fees, excluding the examination fees, for the financial year ending the 31st March 1938, amounted to Rs. 1,04,089|11|7 and the total expenditure was Rs. 1,27,459|6|2.

In 1938, 265 candidates including private students sat for the LL.B. Examination, 153 for the First Law Examination (New Regulations) and 58 for the First Law Examination (Old Regulations). The pass percentage excluding compartment men was 49.4 for the LL.B., 78.4 for the First Law Examination (New Regulations) and 75.8 for the First Law Examination (Old Regulations). In the Supplementary Examinations held in September 1938, 18 candidates appeared in the LL.B., 10 in the First Law Examination (New Regulations) and 6 in the First Law Examination (Old Regulations) of whom 10, 8 and 6 respectively were successful.

In the Examination for Diploma in Conveyancing and Pleadings held in May 1938, 12 candidates appeared and all passed.

In the LL.M. Examination held in April 1938, 7 candidates appeared and 1 passed.

The Preliminary Examination in Law was conducted by the College in May 1938. 221 candidates sat for the Examination of whom 172 came out successful.

Out of the total number of 570 students on the rolls of the P.E.L., F.E.L. and LL.B. classes, 246 resided in the College Hostel, 66 in the recognised

hostels, 228 with parents, guardians and relatives and the remaining were permitted to stay in private lodgings for want of accommodation in the recognised hostels.

In the Panjab University Sports Tournament, the College entered teams in tennis, football, hockey, cricket, basket-ball, boxing, rowing, gymnastics, athletics and relay races. The College also organized a Championship Tennis Tournament in February open to Law students, old boys, and members of the bar and judiciary in Lahore.

Thirty-seven students attended the First-Aid Classes held under the auspices of St. John Ambulance Association.

The allotted strength of the Law College Detachment of the 4th University Training Corps was 20 including N.C.Os. The actual number was 17 out of which six were non-commissioned officers.

The College started a Rifle Club.

The following works were published by members of the Staff during the year under report:

1. The Arya Marriage Validation Act (XIX of 1937) with appendices, by C. L. Mathur. 40 pages. 1937.
2. Commentaries on the Indian Contract Act (Act IX of 1872), Vol. I, by Desh Raj Mahajan. 411+xxi pages. 1938.

The academic year of 1938-39 commenced on the 18th May 1938. 170 students were admitted to the F.E.L. Class, 128 to the LL.B. Class (under New Regulations) and 45 to the LL.B. Class (under Old Regulations).

### **The University Oriental College.**

#### *Changes in the Staff*

Dr. Surya Kanta, M.A., D. Litt. (Panjab), D. Phil. (Oxon.), was appointed University Reader in Sanskrit in the grade of Rs. 400—25—600 and took charge on the 8th December, 1937.

M. Aulad Husain Shadan, Head Munshi, retired after fifteen years' service and Dr. Syed Mohammad Abdullah, M.A. (Arabic and Persian), D. Litt. (Panjab), was appointed Head Munshi in his place in the grade of Rs. 150—10—250. He took charge on the 20th September 1938. Both Drs. Surya Kanta and Syed Mohd. Abdullah are old boys of the College.

#### *Expenditure*

The total expenditure in connection with the Oriental College during the year ending 31st March 1938 amounted to Rs. 1,12,406|12|8.

#### *The Roll*

The maximum number of students on the rolls during the year was 250 as compared with the last year's 204. This increase was partly due to the reduction in the rates of tuition fees which were doubled during the preceding year on account of financial stringency. Of the students on the roll, 18 were scholarship-holders and 27 were in receipt of stipends as against 19 and 23 respectively in the previous year.

#### *Examination Results*

One hundred and twenty-five students were sent up for the various University Examinations of which 83 passed, showing a pass percentage of 66.4. The number of successful students included 10 students in the M.A., 49 students in the Honours and High Proficiency Examinations in the various Oriental Languages and 24 students in the Matriculation and Intermediate Examinations in English only. One of our students topped the list of successful candidates in the University Examination in the Maulvi Alim Examination and another in the Visharada.

#### *House Examinations*

Three House Examinations are conducted every year, viz.,

- (1) the 1st Quarterly Examination;
- (2) the Test Examination for the students to be sent up to the University; and

(3) the Annual Examination of the College for the 1st year students.

The award and tenure of Stipends is strictly dependent on the results shown by the students in these Examinations. The promotion to the second year takes place in accordance with the results obtained by the students at the annual examination.

#### *Medical Inspection*

Arrangements for the medical inspection of the students before the admission continued as before. Cards for individual students were maintained and the reports were followed up. Medical assistance was provided in the Hostel too. Dr. Ganeshi Lal, M.B., B.S., has been in charge of these arrangements since May 1936. He is visiting the Hostel twice a week.

#### *Educational Trips*

For want of funds no Educational trips could be organized this year to places outside Lahore.

#### *The Oriental College Magazine*

*The Oriental College Magazine* which was started in February 1925, is being issued regularly. It is a quarterly, published in February, May, August, and November each year. It contains original literary articles connected with the various Oriental Languages which are taught in this College.

Oriental Scholars have expressed their appreciation of this publication which serves a real need.

The total number of pages printed during the year under report is 971 (Urdu 518 and Hindi 453).

During the year the University Arabic and Persian Society which was founded under the Patronage of the Vice-Chancellor, University of the Panjab in May 1937, continued to function.

Six meetings (apart from business meetings) were held where several papers were read and discussed. The Society is issuing a Quarterly, which is at present published as Supplement to *The*

*Oriental College Magazine.* Four issues, covering 309 pages, were issued during the year.

#### *College Sports and Games*

The chief games in which the students of this College take interest are Hockey, Football, Volleyball, Basket-ball and Badminton.

Five boats are also provided for the students on the Ravi. As a precautionary measure, a swimming test of the students was held and boat passes were issued only to the successful swimmers.

Lack of a playground was a great hindrance in the way of any progress in sports. This defect was removed this year by the College sharing their playground with the Hailey College of Commerce on payment of a share of the maintenance expenses.

The Seventh House Tournament of the College was held this year early in February. In order to encourage the students an annual "Prize Distribution" was also arranged. Mrs. Woolner's presence in Lahore in connection with the unveiling of the bust of our late Principal offered an opportunity which was availed of. She was invited to give away the prizes. The Prize Distribution was in fact held a little earlier on her account. She very kindly honoured the function with her presence and gave away the prizes. She also presented the College with a Cup for Badminton which was gratefully accepted. A sum of Rs. 151/2 was spent on the purchase of prizes.

The total sum spent this year on sports and games is about Rs. 586/14.

#### *The Proctorial System*

The Proctorial System is continued. The printed copies of the Proctorial Rules were distributed amongst the students of this College and identity cards for the whole college prepared.

The following continued to act as Proctor and Pro-Proctors:

1. M. Hasan-ud-Din, M.A., M.O.L., Proctor.
2. L. Munshi Ram, B.A., B.T., Pro-Proctor.
3. S. Baldev Singh, B.A., Pro-Proctor.

### *Associated Institutions*

The following three institutions were associated:

(1) Shri Shankar Nath Mahavidyala, Hadia-bad, Phagwara; (2) The Sanskrit and Hindi Pathshala, Sitla Mandir, Lahore; and (3) The Jamia Islamia, Amritsar.

The following eight institutions were inspected during the year:

(1) The Madrasa of the Anjuman-i-Islamia, Lahore; (2) Sanskrit Pathshala, Hoshiarpur; (3) R. B. Gagar Mal's Sanskrit Pathshala, Amritsar; (4) Dar-ul-Ulum Hanafiya, Kasur; (5) S. D. Pathshala, Jind; (6) Mahavidyala, Sultanpur; (7) Khalsa Parcharak Vidyala, Tarn Taran; and (8) Dar-ul-Ulum Rashidia, Gujranwala.

The inspection reports were considered by the College Council and necessary instructions for improvements were issued.

The Council granted Rs. 56 as Library Grant to each of the following fourteen institutions from the budget provision under the head:

(1) The Madrasa of the Anjuman-i-Islamia, Lahore; (2) Sanskrit Pathshala, Hoshiarpur; (3) R. B. Gagar Mal's Sanskrit Pathshala, Amritsar; (4) S. D. Sanskrit Pathshala, Multan; (5) Dar-ul-Ulum Hanafiya, Kasur; (6) Madrasa Faziliya, Batala; (7) S. D. Pathshala, Jind; (8) The Madrasa of the Anjuman-Nusrat-al-Islam, Srinagar; (9) Jami Ahmadiya, Qadian; (10) Mahavidyala, Sultanpur; (11) Khalsa Parcharak Vidyala, Tarn Taran; (12) Dar-ul-Ulum Rashidia, Gujranwala; (13) Brahman Sabha Pathshala, Simla; and (14) Rishikula, Lyallpur.

The total number of associated institutions is now 17.

### *Woolner Fund*

The Staff of the College and its friends, as usual, contributed liberally to the fund, which is proving very helpful to the poor students of this College.

Total income of the Fund amounted to Rs. 425|6|6 for the year. A sum of Rs. 230|6|- was paid in the form of fee concessions, full or half, to the University on behalf of 49 students.

The balance in hand on the 30th September 1938 was Rs. 480|15|3 against last year's balance of Rs. 285|14|9.

The amount is deposited in the Savings Fund Account with the Lahore Central Co-operative Bank, Ltd., Lahore, and is operated upon by the Principal.

L. Raghunandan Shastri, M.A., M.O.L., remained in charge of the Fund.

### *General Lectures*

A few lectures in simple Hindustani on topics of general interest for the students were organised, and the following gentlemen addressed the students:

(1) K. S. Sh. Ghulam Mohy-ud-Din (ret'd. Deputy Inspector of Schools), subject: Compulsory Primary Education; (2) Dr. Ganeshi Lal, M.B., B.S. (Medical adviser of the Oriental College), subject: Diet; and (3) Pt. Kunjwadker of Poona, subject: Mimansa (for Sanskrit students only).

Members of the Staff and the students also took a prominent part in making the Government Industrial Exhibition more interesting by staging a "Bhoj Darbar" and a "Kavi Darbar." Both items were much appreciated by the public. Dr. L. Sarup, M.A., D.Phil. (Oxon), Vice-Principal, was in charge of these items.

### *Campaign against Illiteracy*

A copy of the appeal to eradicate illiteracy in the Province, issued by the Director of Public Instruction, Punjab, in accordance with the wishes of the Hon'ble the Minister for Education, was received by this College also. A meeting of the members of the Staff discussed the matter and the appeal was conveyed to the students through their respective teachers.

The reports submitted by the teachers in this connection show that considerable work was done by them and their students during the vacation.

### **Hailey College of Commerce.**

The numbers on the rolls at the close of the session were 43 each in the First and Second Year and 38 in the Third Year Class. All the last mentioned presented themselves for the B.Com. Examination and 32 were successful. The second year students and 5 of the third year students appeared in the University Preliminary Examination in English and of these 37 passed. 9 students attended the Evening Classes and 5 of them passed the Final Diploma in Commerce Examination.

The usual programme of sports activities and extra-academic work was maintained. A number of visits, under the supervision of various members of the staff, were paid to various industrial centres and places of commercial and historical interest. Practical training for the students during the vacation was continued with generally satisfactory results.

Prof. I. M. Kapoor was on study leave until the 9th July, and during this period Mr. M. C. Shukla acted on the full-time teaching staff.

### **The Panjab University Library.**

#### *Expenditure*

(a) **Books**—Rs. 14,532/1/1 were spent on books as detailed below:

|                |    |    | Rs.    | a. | p. |
|----------------|----|----|--------|----|----|
| General books  | .. | .. | 11,121 | 5  | 4  |
| Arabic books   | .. | .. | 1,401  | 12 | 0  |
| Sanskrit books | .. | .. | 2,008  | 15 | 9  |
|                |    |    | <hr/>  |    |    |
|                |    |    | 14,532 | 1  | 1  |

(b) **Manuscripts**.—Rs. 2,592/8/6 were spent on manuscripts including rotographs on the recommendation of the Principal, Oriental College, as under:

|                          |    |     |
|--------------------------|----|-----|
| (a) Arabic manuscripts   | .. | 111 |
| (b) Sanskrit manuscripts | .. | 283 |

Persian and Arabic manuscripts were examined by the University Professor of Arabic before purchasing. Mr. R. A. Sastry examined the palm-leaf Sanskrit Manuscripts before supplying.

(c) **Periodicals.**—The total amount spent on periodicals during the year under report was Rs. 6,830/12/7 as under:

|          |    |    | Rs.   | a. | p. |
|----------|----|----|-------|----|----|
| General  | .. | .. | 6,640 | 13 | 7  |
| Oriental | .. | .. | 189   | 15 | 0  |
|          |    |    | <hr/> |    |    |
|          |    |    | 6,830 | 12 | 7  |
|          |    |    | <hr/> |    |    |

Seven new periodicals were placed on the subscription list during the year under report.

(d) **Binding and Mending.**—The expenditure on binding 2,538 volumes, as per detail below, amounted to Rs. 3,462/8/4:

|                     |    | No. of volumes |
|---------------------|----|----------------|
|                     |    | bound          |
| A.—General Section  | .. | 1,434          |
| B.—Oriental Section | .. | 1,104          |

(e) **Furniture.**—Twelve teakwood almirahs, eight half teakwood almirahs and two steel almirahs were purchased during the year. The total expenditure under this head amounted to Rs. 1,060/13/6.

**Receipts.**—Rupees four thousand, five hundred and sixty-two only were realized on account of the security deposits from borrowers of Class "F" and the student members (for drawing books during the summer vacation), delay fines, penalty for books lost or damaged, advance postal charges, admission and tuition fees to the Library Training Class and were remitted to the Registrar from day to day.

**Additions to the Library.**—Two thousand, six hundred and seventy-eight volumes (including accessions by bound periodicals) were added to the

Library during the year under report as detailed hereunder :

|                  |                            |
|------------------|----------------------------|
| General Section  | 1,578 volumes.             |
| General Section  | 326 pamphlets and reports. |
| Arabic Section   | 404 volumes.               |
| Sanskrit Section | 370 volumes.               |
| <hr/>            |                            |
| Total            | 2,678                      |
| <hr/>            |                            |

The total number of volumes excluding manuscripts in the Library on the 30th September 1938 was 83,546, while that of manuscripts was 11,018 (Arabic manuscripts 2,626 and Sanskrit manuscripts 8,392).

**Gifts.**—Four hundred and forty-six books (including pamphlets and reports) were received from the various institutions and persons both direct and through the Registrar, University of the Panjab, and were duly acknowledged with thanks, the principal donors being: The Government of India; The Government of the Panjab; The Annals of Collective Economy, Geneva; The Carnegie Endowment for International Peace, Washington; and the Punjab Advisory Board for Books, Lahore.

**Classification and Cataloguing.**—The total number of the books accessioned, classified and catalogued during the year under report in each section of the Library was:

#### GENERAL SECTION

Number of volumes accessioned, 1,950; number of volumes classified, 1,904; number of volumes catalogued, 1,904; and number of cards written, 5,086.

#### ARABIC SECTION

Number of volumes accessioned, 404; number of volumes classified, 404; number of volumes catalogued, 404; number of cards written, 1,546; and number of manuscripts catalogued, 219.

## SANSKRIT SECTION

Number of volumes accessioned, 370; number of volumes classified, 370; number of volumes catalogued, 370; number of cards written, 914; and number of manuscripts catalogued, 468.

**Books read in and outside the Library.**—Thirty-five thousand, six hundred and sixty-one volumes were taken out by the members for home use. Forty-five thousand, eight hundred and thirty-four volumes were consulted in the Reading Room and Reference Department. The total number of volumes, referred to in and outside the Library was, therefore, 81,495. The statistics for the various Departmental Libraries were not maintained, otherwise these figures would easily mount up.

The subjectwise analysis of the books issued and consulted in the Reading Room continued to show that Literature, Sociology, Science and History commanded the highest figures.

## I S S U E D

|                     |       |                        |       |
|---------------------|-------|------------------------|-------|
| General works ..    | 58    | Useful arts ..         | 662   |
| Philosophy ..       | 1,474 | Fine arts ..           | 82    |
| Religion ..         | 347   | Literature ..          | 7,424 |
| Sociology (General, |       | History ..             | 3,192 |
| Political Science,  |       | Biography ..           | 1,078 |
| Economics and       |       | Current periodicals .. | 1,775 |
| Law) ..             | 5,247 |                        |       |
| Philology ..        | 326   | Arabic, Persian        |       |
| Science ..          | 4,335 | and Urdu ..            | 3,699 |
|                     |       | Sanskrit, Hindi        |       |
|                     |       | and Panjabi ..         | 5,962 |

## C O N S U L T E D

|                     |       |                  |        |
|---------------------|-------|------------------|--------|
| General works ..    | 1,264 | Useful arts ..   | 924    |
| Philosophy ..       | 1,634 | Fine arts ..     | 451    |
| Religion ..         | 655   | Literature ..    | 4,360  |
| Sociology (General, |       | History ..       | 3,674  |
| Political Science,  |       | Biography ..     | 1,115  |
| Economics and       |       | Current periodi- |        |
| Law) ..             | 2,910 | cals ..          | 3,326  |
| Philology ..        | 710   | Arabic, Persian  |        |
| Science ..          | 4,099 | and Urdu ..      | 10,995 |
|                     |       | Sanskrit, Hindi  |        |
|                     |       | and Panjabi ..   | 9,717  |

**Facilities to the Research Scholars during the Summer Vacation.**—It is rather regrettable that the facilities afforded to Professors and Research Scholars for carrying on their research work in the Library during the summer vacation since 1933 had to be withdrawn this year owing to the inadequacy of the staff. None-the-less urgent requisitions for books and bibliographical references, made by ten Professors, were duly complied with.

**Inter-Loans.**—Reciprocal loans of books and manuscripts between the sister universities and other institutions continued and the scholars concerned had greatly appreciated this privilege.

(i) **Loan of Manuscripts.**—Twenty-one manuscripts and rotos were lent to the University Professors and Research Scholars and certain other institutions on their executing bonds.

(ii) **Loan of books and periodicals to other Universities and Research Scholars.**—Requisitions for the loan of books and periodicals received from the Imperial Library, Calcutta, Lytton Library, Muslim University, Aligarh and the Imperial Veterinary Research Institute, Mukteswar, were duly complied with.

- (iii) **Loans from other Libraries.**—Six manuscripts and 28 books were borrowed from the undermentioned institutions in and outside India for the use of Research Scholars. The University Library Committee owed their grateful thanks to all these institutions for their cordial co-operation: The India Office Library, London; the Royal Asiatic Society of Bengal, Calcutta; the Punjab Public Library, Lahore; the Imperial Agricultural Research Institute, New Delhi; the Imperial Library, Calcutta; the Punjab Civil Secretariat Library, Lahore; and the Director of Archæology, Baroda.

**The Panjab University Library Training Class.**—Seventy-three graduates applied for admission to the Library Training Class and in accordance with the Rules only twenty were admitted and three were retained on the waiting list.

**Departmental Libraries.**—The various Departmental Libraries continued to work satisfactorily.

**Membership.**—During the year under report 1,053 members joined the Library as detailed hereunder and 217 undergraduates and others obtained Readers' tickets.

|                  |    |       |
|------------------|----|-------|
| General Section  | .. | 939   |
| Sanskrit Section | .. | 70    |
| Arabic Section   | .. | 44    |
|                  |    | <hr/> |
|                  |    | 1,053 |

**Correspondence.**—The total number of letters received and issued during the year under report was 2,180 and 2,356 respectively.

**Meetings.**—The Library Committee met six times during the year under report and thrice papers were disposed of by the Committee in circulation.

# **Panjab University Sports Tournament Committee.**

The following table shows the number of Colleges that entered the various events of the Panjab University Sports Tournament during the last year :

| Events.           | Lahore Colleges. | MOFUSSIL. |        | Total. | Last year. |
|-------------------|------------------|-----------|--------|--------|------------|
|                   |                  | Degree.   | Inter. |        |            |
| 1. Basket-ball .. | 8                | 6         | 2      | 16     | 14         |
| 2. Boxing ..      | 7                | 1         | ..     | 8      | 5          |
| 3. Wrestling ..   | 8                | 4         | ..     | 12     | 8          |
| 4. Boat Races     | 8                | ..        | ..     | 8      | 6          |
| 5. Kabaddi ..     | 5                | 1         | 1      | 7      | 7          |
| 6. Gatka ..       | 5                | 3         | ..     | 8      | 5          |
| 7. Swimming ..    | 6                | 2         | ..     | 8      | 5          |
| 8. Volley-ball .. | 8                | 8         | 11     | 27     | 22         |
| 9. Hockey ..      | 11               | 18        | 10     | 39     | 41         |
| 10. Football ..   | 11               | 17        | 10     | 38     | 40         |
| 11. Cricket ..    | 8                | 10        | ..     | 18     | 16         |
| 12. Cross-Country | 6                | 4         | 2      | 12     | 10         |
| 13. Tennis ..     | 11               | 12        | 4      | 27     | 25         |
| 14. Relay Races   | 6                | 5         | 1      | 12     | 12         |
| 15. Gymnastics    | 5                | 1         | ..     | 6      | 6          |
| 16. First-Aid ..  | 7                | 4         | 2      | 13     | 12         |
| 17. Athletics ..  | 10               | 13        | 2      | 25     | 25         |

In Hockey and Football the entries have fallen by two each; in Athletics, Gymnastics and Relay Races they are the same as last year; and in all the other events they have increased from one to five. Taken altogether there has been a good increase.

The distribution of Tournament Trophies is again fairly even, though Government College still retains large share. The Government College, Lahore, won Athletics, Cricket, Hockey, First-Aid, Swimming, Wrestling, Championship, and also tied with Islamia College in the Relay Races. The Islamia College won Boxing and Kabaddi. Gordon College won Basket-ball. Law College won the Boat Races. Khalsa College won Cross-Country and Football. The Government College, Ludhiana, won the Mofussil Colleges First-Aid Shield. The Sanatana Dharma College won Gatka and Gymnastics. The Medical College won the Tennis Team Event and Forman College the Tennis Singles Championship. The M.A.O. College, Amritsar, won Volley-ball. Among the Intermediate Colleges, the Khalsa College, Lyallpur, won Football and Volley-ball, Randhir College, Kapurthala, won Hockey, and Government College, Hoshiarpur, won the Tennis Team Event. Thus ended the 42nd Annual Panjab University Sports Tournament, offering 17 events for competition between over 50 Colleges, spread out over the Panjab and N.W.F. Province and lasting throughout the academic year.

New Records have been created in the One-mile Race, Shot, Discus and Cycle Race. Also in the One-mile Relay Race, and in Swimming in the 100 Yards Free-style, 220 Yards Breast-stroke, and the 100 Yards Back-stroke. In Tennis our University Champion, S. L. R. Sawhney, of Forman College, continued to be India's No. 1 player, and we look forward to still further laurels for him.

On the whole, the standard of our Games and Sports has been maintained, if not improved, and if to this we add a better spirit of sport, which is

certainly spreading, we can be justly proud of our Tournament.

During the years under review it is our sad duty to record the most tragic deaths of Mohammad Jaffar and Khanna, both of the Government College, Lahore. The former was drowned while out shooting, and the latter died as the result of a hard knock over the heart from a hockey ball in the Panjab Championships. They were both very good hockey players and very fine sportsmen. Jaffar, particularly, had brought great credit on Indian, Panjab, University and Government College hockey, and was the type of sportsman and gentleman whom it is our ideal to produce on the playground.

The thanks of the Committee are due to many sporting gentlemen for ungrudging help in the conduct of our Tournament. With an overcrowded programme of games and sports generally in Lahore, it is becoming increasingly difficult for us to get hold of good referees, umpires, judges, etc., and so we are all the more grateful to these gentlemen for services rendered to the P.U.S.T.C.

#### **Department of Physical Training.**

The following table shows the position of the Arts Colleges regarding Physical Directors:

| Colleges      | Number. |      | No. having<br>P.Drs. |      | No. with-<br>out P.Drs. |      |
|---------------|---------|------|----------------------|------|-------------------------|------|
|               | 1937    | 1938 | 1937                 | 1938 | 1937                    | 1938 |
| A.—Private .. | 19      | 23   | 19                   | 23   | 0                       | 0    |
| B.—Government | 15      | 15   | 15                   | 15   | 0                       | 0    |
| C.—State ..   | 6       | 6    | 4                    | 6    | 2                       | 0    |
| D.—Women's .. | 4       | 4    | 0                    | 0    | 4                       | 4    |
| Totals ..     | 44      | 48   | 38                   | 44   | 6                       | 4    |

**Group A.**—The three new Arts Colleges, affiliated during the year, have been added above. The Sikh National College, Lahore, and St. Joseph's College, Baramula, have appointed Physical Directors on their Staffs. The Jain College, Ambala,

has been communicating with the University Department of Physical Training, and expects to make the appointment very shortly.

**Group B.**—A few of the men in this group are not quite up to the work in Colleges. The Education Department is conducting a training class for 25 men at present, and, in due course, it is hoped to change and improve the personnel and the standard of work in the Colleges.

**Group C.**—The Kashmir State have appointed trained men in their Colleges at last, and the Srinagar College, with about 1,300 students on the rolls, has selected and sent a second man to Madras, for training.

**Group D.**—Physical Training in the Women's Colleges is not so satisfactory as it should be because there is no corrective or hygienic work at all. Games are well organised, conducted and coached, but the practical work begins and ends there. The benefits of the more formal type of activities, mentioned later, are just as important, if not more so, for the future mothers of the race, as for the fathers. Trained Physical Directresses are required on the Staffs of all Colleges and Schools.

There are 44 men's Arts Colleges doing compulsory Physical Training (26 Degree and 18 Intermediate) and every College has at least one trained Physical Director. Of the Degree Colleges, 7 have less than 400 students each on the rolls, and, therefore, one man is enough for the time being. 19 Colleges have over 400 students each, but only 8 of this number have two or more men for Physical Training, *i.e.*, 11 Colleges need to increase their Staff. All 18 Intermediate Colleges have less than 400 students on the rolls.

The practical side of the programme of Physical Training continues to be fairly satisfactory. Taken generally, games and sports are well organised and conducted, and large numbers of students join in the play programme. Some Colleges need to spend more money on the improvement and

maintenance of their playgrounds. It is not sufficiently realised that good playgrounds attract young people to play, and bad ones repel.

The more formal type of activities like callisthenics, gymnastics, marching, corrective and hygienic exercises, are quite well planned and conducted in some Colleges, but in others this work is rather disappointing. This type of activity is very important for our young men, because it improves posture and the functioning of the vital organs, develops musculature and graceful movements, and teaches discipline and control, both mental and physical. An attempt is now being made to improve the standard of this work.

The theoretical side of our programme has improved a good deal during the year. Health instruction is now being given regularly in most of the Colleges, according to the Syllabus prepared by the University Department of Physical Training, and sent to all the Colleges a year and a half ago. The difficulties of fitting this work into College time tables, and examining the students in this subject, at the end of the year, are being overcome gradually. When the University makes Health Instruction a definite part of compulsory Physical Training, it will be a big stride in the right direction.

The Medical Examination and Supervision of all College students continue to improve, but here again, in some Colleges, the work is so nominal, that it might just as well not be done for all the time and money that is wasted on it. The important Follow-up part of this work is in much the same condition, and varies from really good to poor.

Taken altogether, during the last 5 years, since Physical Training has been made compulsory in this University, a good deal has been achieved towards better health, physique and character, but much more remains to be done. It is to be hoped

that this work in the University will in due course be expanded into a National Fitness Movement of the very greatest benefit and importance to our Province and country.

### **Panjab University Cricket Club.**

The accounts of the Panjab University Cricket Club for 1937-38 were audited by the University Auditors on the 17th of May 1938, and were found in order.

The Balance Sheet opens with the credit balance of Rs. 1,615-14-6 and closes with that of Rs. 1,284-9-6.

Having been champions for the first two years of the Inter-University Championship, we entered this Championship this year also. In the North Zone we beat the Muslim University, Aligarh at Aligarh and the Lucknow University at Lahore, and thus became the North Zone finalists. We were due to meet the winners of the East Zone at Lahore on January 22nd, 23rd and 24th. These dates and also the dates of the Final (January 28th onward) had been fixed irrevocably by the Board of control for Cricket in India as early as the month of August 1937, and were "not to be altered under any circumstances whatever." The Board had irrevocably fixed these dates in the light of their experience for the first two years of the Championship. In spite of this circular of the Board, the Universities in the East Zone did not complete their matches by the scheduled dates, and their finalists were unable to meet us at Lahore on January 22nd, 23rd and 24th. In the meantime the finalists of the Central Zone, namely, Nagpur, withdrew from the championship, and the Universities in the South Zone did not enter at all. The Board, therefore, requested us to meet the finalists of the East Zone, namely, Calcutta University, in the month of February. This we refused to do. The Panjab University Cricket Club took this step

to focus the attention of the Universities and the Board on the serious defects which exist in the organization of Inter-University Championship; and we are glad to record that the Board have taken early steps in appointing a small sub-committee of the representatives of a few Universities to run the Inter-University Championship. Dr. Vishwa Nath has accepted the invitation of the Board to serve on this Committee. Messrs. Mazhar Mahmood and Hira Lal of the Government College, Lahore, were recommended by the Captain for the award of University Blue, and this recommendation was accepted by the Executive Committee. We are glad once more to record the invaluable help which the Panjab University Cricket Club have received from their President, the Lord Bishop of Lahore.

The following were the members of the Club for the year under review:

**Government College, Lahore.**—1. Mohd. Aslam Khan; 2. S. N. Bhatia; 3. K. A. Moid; 4. Jagdish Lal; 5. Harbans Lal Sahgal; 6. Saeed Ahmad; 7. Hira Lal; 8. Mazhar Mahmud; 9. Abdur Rahman.

**Dyal Singh College, Lahore.**—10. P. M. Nath; 11. Asghar Ali.

**F. C. College, Lahore.**—12. K. K. Mookerjee.

**Islamia College, Peshawar.**—22. Sher Mohd.; 14. Anwar Husain; 15. Mazhar Hussain; 16. Ahsan; 17. Ahsan Elahi; 18. Haq.

**Government College, Ludhiana.**—19. Mohd. Salim.

**Hindu Sabha College, Amritsar.**—20. Prithvi Raj; 21. Gian Parkash.

**Islamia College, Peshawar.**—22. Sher Mohd.; 23. Abdul Latif.

K. A. Moid (Government College, Lahore) and Abdul Latif (Islamia College, Peshawar) were the Captain and Secretary of the Club respectively.

### **The 4th (Lahore) Battalion, University Training Corps.**

Enrolments for the University Training Corps commenced in June when a large number of candidates who had completed enrolment forms were medically examined. Those found fit were noted and the lengthy process of applying to the Deputy Commissioners of Districts for verification of medically fit candidates was commenced. It is in the interests of candidates themselves that they forward their enrolment forms and forms of application early—in May, June or July—but not later so that they may obtain early consideration and admission to the University Training Corps. Many candidates made application for enrolment in October—there was no time to verify them before camp, and in such cases candidates may be refused admission.

Candidates should complete (i) form of application and (ii) enrolment form, when applying for admission to the University Training Corps. They must fill in a residential address and state accurately the district to which verification may be made. Failure to do this entails loss of time, and may prejudice the candidate.

The minimum height for admission is 5 feet 6 inches; the minimum chest (unexpanded) 30 inches with a minimum expansion of 2 inches.

Lieutenant I. C. Nanda (Principal, Government Intermediate College, Rohtak), resigned his commission on the 16th September 1938.

Mr. K. G. Bhandari, Agricultural College, Lyallpur, has been gazetted as 2nd Lieutenant in the University Training Corps on 18th July 1938.

The following is a list of officers:

Lt.-Col. Bence-Jones, M.C.; Captain W. C. Dracup (Green Howards), Adjutant; Captain. A. N. Bali; Captain J. S. Guleri; Captain H. C. Mahajan; Captain S. R. Grover; Captain M. G. Singh; Lieut. C.L. Mathur; Lieut. R.K. Seth; Lieut. Milkhi Ram; Lieut. P. L. Anand; Lieut. H. L. Chopra;

Lieut. M. L. Joshi; Lieut. G. D. Ahmad; Lieut. Abdul Wahid; Lieut. Sardar Mohammad; Lieut. Mohammad Aslam; Lieut. W. A. Shah; 2nd Lieut. A. K. Nyazee; 2nd Lieut. P. Maya Das; 2nd Lieut. K. N. Dutt; 2nd Lieut. K. G. Bhandari; U/O. Satya Dev; U/O. Wadhawa Singh; U/O. Abdul Hamid; U/O. Sher Afzal and U/O. Shuja-ud-Din.

#### BRITISH PERMANENT STAFF AND ATTACHED N.C.Os.

R.S.M. G. F. Weir; R.Q.M.S. F. Davis; S/S. J. Hewitt; S/S. C. A. Copps; S/S. H. Mountain; S/S. J. Amos; S/S. A. J. Cass and S/S. S. H. Parker (both on leave in the United Kingdom).

Cpl. L. Moore; Cpl. L. Lockwood; Cpl. S. Jewitt; Cpl. Richardson.

#### **The Dayanand Ayurvedic College, Lahore.**

The most unhappy event of the year under report was Students' Strike lasting for a period of about six months.

The total number of the teaching staff, assistants and Honorary workers during the year under report was 17 against 15 of the last year. Six new professors joined the institution and replaced some of the old members of the staff after the strike. Number of students in different classes in September 1938 was as under:—

|                |       |
|----------------|-------|
| I Year class   | = 43  |
| II Year class  | = 46  |
| III Year class | = 56  |
| IV Year class  | = 23  |
| Total          | = 168 |

The minimum qualifications for admission to this institution are Matriculation with Sanskrit or some Sanskrit qualification of any Indian University. Lady students, duly qualified according to rules of admission, are also admitted. At present there are 5 lady students studying in different classes. Up to this time 3 lady students have passed Vaidya Vachaspati Examination.

Two final examinations are held every year viz., (1) Vaidya Kaviraj, after three years' course and (2) Vaidya Vachaspati, one year after passing the Vaidya Kaviraj Examination. The results of the annual examination, held in September 1938, are as under :

|                   | Appeared | Passed | Under Comptt. | Failed |
|-------------------|----------|--------|---------------|--------|
| Vaidya Kaviraj .. | 56       | 44     | 4             | 8      |
| Vaidya Vachaspati | 23       | 21     | 1             | 1      |

Up to this time the Ayurvedic College has brought out 725 Vaidya Kavirajes and 264 Vaidya Vachaspatis, who are working in the Panjab and other provinces either as private practitioners or in the charitable dispensaries of States, District Boards, Municipal Committees or other Societies.

The number of patients admitted in the indoor hospital during the last two years was as under :

| Year              | Total | Cured | Died | Dis-<br>charged<br>and<br>otherwise |
|-------------------|-------|-------|------|-------------------------------------|
| 1-4-36 to 31-3-37 | 434   | 386   | 11   | 37                                  |
| 1-4-37 to 31-3-38 | 268   | 184   | 11   | 73                                  |

The hospital is doing a useful work by serving the public irrespective of caste or creed and training the students in Ayurvedic and Modern Surgery. There are two outdoor dispensaries attached to the Ayurvedic College: (1) Within the College premises, which treated 63,591 patients against 58,957 of the last year. (2) City Dispensary (Sutar-mandi) which treated 23,544 out-patients against 25,072 of the last year. In addition to these a Female Ayurvedic Dispensary has also been constructed and started from October, 1936. It treated 17,245 out-patients during the year 1937-38. In September 1938 a Kothi situated at the back of the College building has been purchased at a cost of Rs. 5,700 nearly to serve as a nucleus of a hostel for the Ayurvedic College. There is some land available adjacent to this hostel and the Managing

Committee may in course of time build a hostel on it in the near future as soon as funds are available. Though there are no spacious playgrounds, attached to this college, yet arrangements exist for Volley-ball, Badminton, Kabaddi, Wrestling, Tug of War, Gatka, Lathi, Sword-waving, etc. Annual tournament in these games is also held and prizes are awarded to the best winners.

Dissection work gives a good training in modern Anatomy. The cold mortuary constructed last year at a cost of Rs. 2,000/- has proved very useful in preserving dead bodies which are received even in summer season. Even then the number of corpses received last year is very discouraging. Government is being approached for better arrangements for the supply of dead bodies. The students of the II and IV Year classes are taken to the hills every year in October in order to show them various herbs. Last year this was suspended on account of the students going on strike. The department of Pharmacy affords good opportunity to the students to prepare medicines with their own hands. The department needs expansion both in buildings and machinery. It is at present equipped with machines, such as pulverizers, grinders, pill and tablet making sets. Profits which the Pharmacy Department yields are utilized to balance the heavy budget of the Ayurvedic College. Besides the D.A.-V. College Managing Committee Scholarships, this institution awards about twenty stipends to deserving students from funds, provided by Sir Ganga Ram Trust and other generous donors. There is a well-equipped Museum Herbarium, where samples of herbs, roots, oils, etc., have been preserved in show-cases to acquaint the scholars with them in their original forms. There are nearly 1,000 books on Ayurveda, Allopathy, and Theology and Unani in the Library, which is well utilized by the students. A large number of daily, weekly and monthly papers are provided for the students in

the Reading Room, which is now located in one dormitory of the hospital building.

**Students' Activities.**—To inculcate among students the habit of speaking, an association of the students of Ayurvedic College has been regularly holding its meetings once or twice a month. Sometimes learned lecturers are also invited to address the students on medical topics.

The Institution stands in need of a well-equipped Research Laboratory, Dental, Ear, Eye, Nose and Throat Departments, a spacious Hostel, an up-to-date Botanical Garden, and a Hall.

### **Tibbia College, Lahore.**

There are two Unani classes of Hakim-i-Haziq and Zubda-tul-Hukama. The course of Hakim-i-Haziq is in Urdu while that of Zubda-tul-Hukama is in Arabic.

The number of students on roll at the end of September, 1938 was as follows:

|                       |    |     |
|-----------------------|----|-----|
| I Year, Hakim-i-Haziq | .. | 45  |
| II Year Ditto         | .. | 48  |
| Zubda-tul-Hukama      |    | Nil |

The students of final years are required to attend the practical classes at Clinical laboratory where they are taught sputum, blood and urine examinations and the use of Hypodermic Syringe and simple surgical instruments; at Khairati Unani Shafakhana (Charitable Unani Dispensary) where they are taught practical treatment of the patients, prescription writing and dispensing; at Markazi Unani Dawakhana (Central Unani Pharmacy), where they are taught the preparation of Unani medicines; under the guidance of respective Heads of these departments.

Along with the lectures on Anatomy and Unani Materia Medica, students are shown the Anatomical charts, and models and Unani medicines in the museum.

The teaching staff of the college consists of seven teachers.

The college session begins from May and ends in April. Hakim-i-Haziq's course is of three years, third year which was optional previously has been made compulsory.

In addition to the subjects taught in the college it is being made compulsory for all the students to get their training in First Aid and Vaccination.

Debating Society (Majlis-i-Mazakare-Tibbia) holds its weekly sittings in which staff and all the students have to attend. This society also takes great part in the working of Punjab Provincial Tibbia Conference. A Boating Club and Volleyball team are also managed by the College and above mentioned Society. This society has contributed to the aid of poor students of this College about Rs. 220 during the year under report.

The Museum and Library of the College have been much improved. Two new microscopes and clinical apparatus have been added to the laboratory and several new books have been added to the Library, Rs. 800/- are allotted for purchase of more medical books for library and clinical apparatus and models, etc., for museum and laboratory.

The final examinations of this college are held in the end of April every year and expert Hakims and Doctors are appointed as Examiners by the Examination Board of the Managing Committee. Results in the year under report were as follows:

Hakim-i-Haziq, out of 105 college students, 58 passed, and out of 5 private students, 3 passed.

Zubda-tul-Hukama, out of 4 college students, 3 passed. No private candidate appeared.

This year 28 candidates of the Tibbia College, Hussain Agahi, Multan, which is affiliated with this institution appeared in the Hakim-i-Haziq Examination out of which 20 came out successful.

At present about 40 graduates of this college are serving in the Municipalities and District Boards in different places of this province and

some of them are employed at various Tibbia institutions of the other provinces and Indian States.

The College continues to attract the students from distant places, viz. U.P., C.P., N.W.F.P., Bengal, Bombay, Hyderabad (Deccan), Mysore, Baluchistan, Persia, Afghanistan, etc., which goes to prove the popularity of this institution. Markazi Unani Dawakhana and a Khairati Unani Shafakhana in addition to the previous Unani Shafakhana have been opened. A separate indoor ward is installed under the supervision of Tabib incharge of Unani Shafa Khanajat. A hostel is also maintained.

### **The Panjab University Oriental Publications Fund.**

The Panjab University Oriental Publications Fund received its income from the following sources :

|                                 | Rs.   | a. | p. |
|---------------------------------|-------|----|----|
| (a) University grant ..         | 3,000 | 0  | 0  |
| (b) Sale of publications ..     | 1,739 | 7  | 2  |
| (c) Balance on 1st October 1937 | 967   | 5  | 2  |

The expenditure incurred, i.e., Rs. 2,330/11/6 was mainly on account of printing and conveyance of the following works :

- (a) Index to Tulsidas Ramayana.
- (b) Analytical Indices to the Kitab-al-Ikdal-Farid, Vol. II.

Because of the previous commitments—which await publication—and the small amount of balance in the Fund, no new work was included in the series this year. M. Mohammad Shafi, M.A., Principal, Oriental College, continues to be the Administrator of the Fund.

### **Regulations.**

Among others, during the period under review, the following important amendments of Regulations were sanctioned by the Punjab Government (Ministry of Education) :

1. Regulation 5 at pages 109 and 110 of the Calendar, so as to allow the candidates who appear in the Supplementary B.A. or B.Sc. examination to read

- for the Preliminary examination in Law Class till the publication of the results.
2. Regulation 5 at pages 109 and 110 of the Calendar, so as to make it applicable to the Bachelor of Teaching examination as well.
  3. Regulations dealing with the election of Ordinary Fellows by Registered Graduates.
  4. Regulations 5, 5-A, 4 and 4-A at pages 255, 256, 259 and 260, respectively, of the Calendar, so as to change the last date for submission of admission forms and fees for the F.E.L. and LL.B examinations with and without late fee.
  5. Regulations 3 (*iv*) and 2 (*ii*) (*b*) at pages 255 and 259 of the Calendar, respectively, so as to add the words "of having attended not less than two-thirds of the law moots and tutorial meetings combined which are held for his class during the academic year preceding the examination" to these Regulations.
  6. Regulation 17 at page 93 of the Calendar, so as to enable research work to be carried on during study leave also in India and in places other than "a University or other institution."
  7. Regulation 6 at pages 183-184 of the Calendar, so as to add Agriculture as an elective subject for the Intermediate Arts Faculty examination.
  8. Substitution of the words "Modern Indian Languages" for the words "Indian Vernaculars" wherever used in the Regulations in the Calendar of the University of the Panjab.

9. Regulation 9 at page 215 of the Calendar, dealing with the M.A. examination, so as to add a proviso that a candidate who has secured at least second class marks in the aggregate (in the whole examination) and passes in the Essay Paper in English shall be declared as having passed the examination even if he has failed in any one or more papers.
10. Rule 3 of Regulation 7 at page 119 of the Calendar.
11. Regulations 2 and 3 at pages 318 and 319 of the Calendar, so as to read "Honours School" for "with Honours" and to add "Two written papers and practical on the subject selected from the list in paragraph 4" after "consist of" respectively.
12. Regulation 2 at page 127 of the Calendar and the addition of Regulations 2 (a) and 11 (a) at pages 305 and 309, respectively, of the Calendar, so as to make late college students eligible to appear as private candidates in the First and Final examinations in Agriculture.
13. Regulations 2 and 13 at pages 59 and 62 of the Calendar, so as to institute a separate Faculty of Dentistry.
14. Regulations dealing with the Second and Third Professional M.B.B.S. examinations so as to extend the course in Pathology to three years and to hold the examination in this subject at the end of the Fourth year with effect from the examinations to be held in 1940.
15. Regulation 31 at page 282 of the Calendar so as to provide that a candidate who fails in any one subject of Part A or

Part B of the Final Professional Examination for the M.B.B.S. degree shall be allowed to appear at any subsequent examination only in the subject or subjects in which he fails, provided that the whole examination is completed within a period of 19 months, and that this Regulation shall have retrospective effect from 1st October 1936.

16. Regulation 7 at pages 138 and 139 of the Calendar, so as to lay down that, among other things, a candidate must obtain 33 per cent. instead of 25 per cent. of the marks in the practicals in Domestic Economy in order to pass in this subject in the Matriculation examination with effect from the examination to be held in 1939.
17. Regulations 16 and 15 at pages 201 and 244 of the Calendar, respectively, so as to also allow a candidate who has graduated from another University but has taken his M.A. or M.Sc. examination from this University to appear at any subsequent examination in any one subject prescribed for the B.A. or B.Sc. examination, respectively, except the subjects in which he has already passed the examination.
18. Regulations 1, 3, 4, 12, 13, 21 and 22 at pages 292 to 297 of the Calendar, so as to change the date for the commencement of the first three Professional examinations for the degree of Bachelor of Dental Surgery (B.D.S.) from 1st October to April.
19. Regulations for the Degree of Bachelor of Dental Surgery (B.D.S.), so as to—
  - (a) change the subject of "Dental Materia Medica" to "General and Dental Materia Medica;"

- (b) transfer the subject of "General and Dental Materia Medica" from the First Professional to the Second Professional B. D. S. examination, and
- (c) introduce other consequential changes.

20. Addition of the following Regulation 14 at page 112 of the Calendar:

"Candidates guilty of communicating, or attempting to communicate, with examiners with the object of influencing them in the award of their marks, will be deemed to have used, or attempted to use unfair means within the meaning of Regulation 10 and shall be punished accordingly. Communications of the same nature addressed to the Registrar will be treated as falling in the same category and the candidate concerned shall be punished as in Regulation 9."

- 21. Regulation 6 at page 215 of the Calendar, so as to delete the words "The examination in Sanskrit, Arabic and Persian shall be conducted under the Regulations for the Honours School in Oriental Languages."
- 22. Regulation 5 at pages 135-136 of the Calendar, so as to provide that it shall no longer be compulsory for candidates taking up Agriculture to take up Physics and Chemistry under proviso to Regulation 5 at page 136 of the Calendar in view of the revised syllabus for Agriculture.
- 23. Clause (b) of Regulation 2 at pages 132 and 133 of the Calendar, so as to permit female private candidates for the M. & S. L. C. Examinations to have their admission forms signed by the Head Master or Head Mistress of a recognized High School or by the Inspector or Inspectress of Schools

- or by the Principal of an affiliated college.
24. Regulations 18 and 7 at pages 306-308 and 302-303 of the Calendar, respectively, so as to provide that no candidate who passes under these Regulations either in Part I or Part II shall be eligible for scholarship or award.
  25. Regulation 6 at pages 181-182 of the Calendar, so as to make women students, taking Urdu, Hindi or Panjabi as their compulsory language, eligible to take in the Intermediate Examination an optional paper either in French or German or in a vernacular not taken already as a compulsory subject.
  26. Regulation 4 at pages 301-302 of the Calendar, so as to add the following sub-para. to the aforesaid Regulation:  
 A candidate who satisfies the conditions laid down in Regulation 2 (4) (ii) and (iii) may be permitted to sit for examination at the end of his first academic year in Physics and Mathematics and Land Surveying. Such a candidate shall have to obtain the same percentage of marks in each of the two subjects as is laid down in Regulation 7 and further shall have to pass separately in the written and practical portion of Physics. A candidate who fails to obtain the required percentage of marks shall have an opportunity of appearing in the subject or subjects in which he has failed, in the Supplementary examination held about the end of September of the same year, and if unsuccessful, shall have a further opportunity of appearing in the subject or subjects with the First examination in

Agriculture under the regulations for this examination.

27. Rules 3 and 4 of Regulation 7 at page 119 of the Calendar, so as to provide that if a student's name is struck off the rolls of a college in the middle of a year's course whether in the first or second year he shall rejoin either the college from which his name was struck off or migrate to any other college on production of a leaving certificate at the time of the commencement of the new academic year or at the latest by the last date prescribed for late admission.
28. Regulation 2 at pages 178, 192-193, 224-227 and 235-237 of the Calendar so as to provide that the Intermediate, B.A. and B.Sc. examinations shall be open, also to such persons who have been enrolled in a college affiliated to this University during the one academic year preceding the examination provided they have attended and completed the first year's course in one academic year and have not discontinued their studies for more than two years.
29. Regulation 10 at page 222 of the Calendar, so as to allow the B.T. Candidates declared under compartment to appear in the Supplementary examination in September or October.
30. Regulation 2 at page 263 of the Calendar, so as to make it clear, that, the provisions of Chapter XI at page 126 of the Calendar, relating to private candidates, do not apply to the LL.M. examination.
31. Regulations 16 and 15 at pages 201 and 244 of the Calendar, respectively, so

as to substitute the words "except the subjects in which he has already passed the examination" for the words "which under the Regulations in force he could have taken for the examination but did not offer."

32. Regulation 6 at pages 181-182 of the Calendar, so as to substitute the words "which may be taken by any candidate not already taking an Indian Vernacular or French or German as a fixed subject" for the words "which may be taken by any candidate not already taking an Indian Vernacular as a fixed subject."
33. Clause (f) of Regulation 2 at page 127 of the Calendar, so as to allow the Assistant Superintendent of Female Education, Delhi, in the case of female candidates, and the District Inspector of Schools, Delhi, in the case of male candidates, to countersign the forms of candidates appearing from the Delhi Province in the examinations referred to in this clause, in place of the Superintendent of Education, Delhi Province.
34. Clause (b) of Regulation 2 at page 133 of the Calendar, so as to make the Registrar, Delhi University, or the Secretary of Board of Secondary Education, Delhi, to be the countersigning authority for the forms for the Matriculation examination from candidates appearing from Delhi Province.
35. Regulations for the Degree of Bachelor of Dental Surgery (B.D.S.) so as to:
  - (a) introduce the system of biennial examination,

- (b) introduce the compartment system, like the Medical examination, and
- (c) revise, re-arrange and re-group the subjects in the various examinations in a manner followed by the British Universities and examining bodies keeping in view that all possible facilities are afforded to students to complete their dental studies in an efficient manner.

### **Students' Residence.**

The following private hostels were accorded recognition for one year with effect from 1st May 1938:

- (1) Khalsa Boarding House (subject to fulfilment of certain conditions).
- (2) Shri Amar Jain Hostel.
- (3) Dev Samaj Boarding House.
- (4) Younghusband Collegiate Hostel.
- (5) Arya Vidyarthi Ashram (subject to fulfilment of certain conditions).
- (6) Aggarwal Ashram.
- (7) Mohyal Ashram.
- (8) Digamber Jain Hostel.
- (9) Chauburji Hostel on Bahawalpur Road.
- (10) Muslim Hostel.

Owing to want of funds, no grants were sanctioned to private recognised hostels for 1938-39.

### **Affiliations.**

During the period under review, the following colleges have been granted affiliation in the subjects noted against their names:

- 1. Women's Christian Medical College, Ludhiana, for the First Professional Examination for the M.B.B.S. Degree.
- 2. St. Joseph's College, Baramula, in English, History, Mathematics, Persian, Sanskrit, Philosophy, Economics, French, Latin, Physics, Chemistry,

- Urdu and Hindi up to the Intermediate standard.
3. Sikh National College, Lahore, in English, History, Economics, Mathematics, Philosophy, Persian, Sanskrit, French, Panjabi, Urdu, Hindi, Physics, Chemistry and Biology, up to the Intermediate (Arts and Science) standard, in English, Mathematics (A and B Courses), Physics, History, Economics, Political Science, Philosophy, Persian, Sanskrit, Panjabi, Urdu, Hindi and French up to the B.A. standard and in English, Chemistry, Physics, Botany, Zoology, Panjabi, Urdu and Hindi up to the B.Sc. standard.
  4. Shri Atmanand Jain College, Ambala City, in English, Mathematics, Philosophy, History, Economics, Sanskrit, Persian, Hindi and Urdu up to the Intermediate standard.
  5. deMontmorency College of Dentistry, Lahore, for the Degree of Bachelor of Dental Surgery.

The Stratford Intermediate College for Women, Amritsar, has been raised up to the B.A. standard in English, Philosophy, Mathematics, History, Persian and Sanskrit.

The extension of affiliation of the following colleges in the subject or subjects noted against each has been sanctioned by the Punjab Government (Ministry of Education):

1. **Edwardes College, Peshawar.**—To include Political Science up to the B.A. standard, and History up to the M.A. standard.
2. **Lahore College for Women.**—To include Geography for the Intermediate examination.

3. **D. A. V. College, Jullundur.**—To include Panjabi for the Intermediate and the B.A. examinations.
4. **D. A. V. College, Rawalpindi.**—To include French up to the Intermediate standard.
5. **S. P. College, Srinagar.**—To include Physics and Chemistry up to the B.Sc. standard.
6. **deMontmorency College, Shahpur Sadr.**—To include Panjabi for the Intermediate examination.
7. **Government College, Ludhiana.**—To include Arabic for the Intermediate examination.
8. **Lawrence College, Ghoragali.**—To include French for the Intermediate examination.
9. **Government College, Lahore.**—To include Geography up to the B.A. standard.
10. **Emerson College, Multan.**—To include Geography up to the B.A. standard.
11. **Stratford Intermediate College for Women, Amritsar.**—To include Urdu (Elective Obligatory and Optional) and Hindi (Optional) for the Intermediate examination.
12. **Kinnaird College, Lahore.**—To include Panjabi (Optional) for the B.A. examination.
13. **S. E. College, Bahawalpur.**—To include Hindi for the B.A. examination.
14. **M. A. O. College, Amritsar.**—To include Political Science for the B.A. examination.
15. **Forman Christian College, Lahore.**—To include Geography for the B.A. examination.
16. **Gordon College, Rawalpindi.**—To include Political Science up to the B.A. standard.

17. **S. D. College, Lahore.**—To include Geography and French up to the B.A. standard.
18. **P. W. College, Jammu.**—To include Arabic up to the B.A. standard.
19. **Law College, Lahore.**—To include the LL.M. degree.
20. **Government College, Ludhiana.**—To include Geography and Hindi and Urdu (Girls) for the Intermediate examination with effect from the examination to be held in 1939.
21. **Kinnaird College for Women, Lahore.**—To include Geography for the Intermediate examination with effect from the examination to be held in 1939.

**Permission to start Classes for Honours Papers.**

The following Colleges were permitted to enrol Honours Classes in the subjects noted against each for the examination of 1939 subject to the conditions stated below :

| COLLEGE.                            | SUBJECTS.                                                                                                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Dyal Singh College,<br>Lahore .. | English (with S. D. College, Lahore).<br>Persian (with S. D. College, Lahore, and Oriental College, Lahore).<br>History (with S. D. College, Lahore).<br>Mathematics (with S. D. College, Lahore and University).<br>Economics (with S. D. College, Lahore). |
| 2. D. A. V. College,<br>Lahore ..   | English.<br>Economics.<br>Sanskrit.<br>Philosophy.<br>History.<br>Mathematics.                                                                                                                                                                               |

- |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. F.C. College, Lahore                | Economics.<br>English.<br>Mathematics.<br>Persian.<br>Philosophy.<br>Psychology.<br>History.                                                                                                                                                                                                                                                                                                                                       |
| 4. Islamia College, Lahore ..          | Arabic (with Oriental College, Lahore).<br>Mathematics.<br>Philosophy.<br>English.<br>Economics.<br>Persian (with Oriental College, Lahore).<br>English (with D. S. College, Lahore).<br>Persian (with D. S. College, and Oriental College, Lahore).<br>Economics (with D. S. College, Lahore).<br>History (with D. S. College, Lahore).<br>Mathematics (with D. S. College, Lahore).<br>Sanskrit (with Oriental College, Lahore). |
| 5. S. D. College, Lahore ..            |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6. Lahore College for Women, Lahore .. | English.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7. Khalsa College Amritsar ..          | Economics.<br>English.<br>Mathematics.<br>History.                                                                                                                                                                                                                                                                                                                                                                                 |
| 8. Hindu Sabha College, Amritsar ..    | English (with M.A.O. College, Amritsar).<br>History (with M.A.O. College, Amritsar).<br>Mathematics (with M.A.O. College, Amritsar).<br>Sanskrit.                                                                                                                                                                                                                                                                                  |

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|------------------------------------------|------------------------------------------------------------------------------------------------------|
| 9. M. A. O. College,<br>Amritsar ..      | English (with H. S. Col-<br>lege, Amritsar).<br>Mathematics. (Ditto)<br>History. (Ditto).<br>Arabic. |
| 10. Government Col-<br>lege, Ludhiana .. | Mathematics.<br>Economics.<br>English.<br>Persian.<br>History.                                       |
| 11. Mohindra College,<br>Patiala ..      | Economics.<br>English.<br>Mathematics.                                                               |
| 12. Islamia College,<br>Peshawar ..      | Arabic.<br>Economics.<br>Mathematics.<br>English<br>Persian.                                         |
| 13. Murray College,<br>Sialkot ..        | English.<br>Mathematics.<br>Economics.<br>Persian.<br>Philosophy.                                    |
| 14. D. A.-V. College,<br>Jullundur ..    | English.<br>Mathematics.<br>Sanskrit.                                                                |
| 15. Gordon College,<br>Rawalpindi ..     | English.<br>History.<br>Mathematics.<br>Philosophy.                                                  |
| 16. Emerson College,<br>Multan ..        | Philosophy.<br>Mathematics.<br>English.                                                              |
| 17. Government Col-<br>lege, Lyallpur .. | Mathematics.<br>History.<br>Economics.                                                               |
| 18. V. B. College, D. I.<br>Khan ..      | English.<br>Economics.<br>Persian.                                                                   |
| 19. deMontmorency<br>College, Shahpur    | English.                                                                                             |

- |                                     |                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 20. S. P. College, Srinagar ..      | English.                                                                                                             |
| 21. S. E. College, Bahawalpur ..    | Persian.                                                                                                             |
| 22. Kinnaird College, Lahore ..     | History.                                                                                                             |
| 23. D. A.-V. College, Rawalpindi .. | English.<br>Mathematics.<br>Philosophy.                                                                              |
| 24. Edwardes College, Peshawar ..   | Philosophy.                                                                                                          |
| 25. Government College, Lahore ..   | Economics.<br>Philosophy.<br>Mathematics.<br>Persian.<br>Sanskrit.<br>History.<br>English.<br>Psychology.<br>Arabic. |
| 26. P. W. College, Jammu ..         | English.                                                                                                             |
| 27. Ramsukh Das College, Ferozepore | Philosophy.                                                                                                          |

Note.—In Oriental Classical Languages the Honours work in Lahore is done in co-operation with the Oriental College, Lahore.

### **Inspection of Colleges**

The following Colleges were inspected during the period under report by the Committees noted against their names:

- |                                    |                                                                |
|------------------------------------|----------------------------------------------------------------|
| Ramsukh Das College, Ferozepore .. | Revd. Dr. E. D. Lucas and Principal Mohammad Shafi.            |
| S. E. College, Bahawalpur .. ..    | Prof. G. C. Chatterji and S. Jodh Singh.                       |
| Kinnaird College, Lahore .. . .    | Mrs. S. K. Datta, Miss C. L. H. Geary and Miss Chattopadhyaya. |

Lahore College for Women, Lahore .. Mrs. S. K. Datta, Miss I. T. McNair and Miss Chattopadhyaya.

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| Randhir College, Kapurthala .. ..        | Principal Mohammad Shafi.                  |
| G. N. Khalsa College, Gujranwala ..      |                                            |
| Malerkotla College, Malerkotla ..        |                                            |
| Khalsa Intermediate College, Lyallpur .. |                                            |
| D. M. College, Moga ..                   |                                            |
| D.A.-V. College, Hoshiarpur ..           | Revd. Dr. E. D. Lucas and Lala Mehr Chand. |

|                                     |                                                          |
|-------------------------------------|----------------------------------------------------------|
| V. B. College, D. I. Khan .. ..     | Dean, U. I., S. Jodh Singh and Principal Mohammad Shafi. |
| M. A. O. College, Amritsar .. ..    |                                                          |
| Hindu Sabha College, Amritsar .. .. |                                                          |
| D.A.-V. College, Rawalpindi .. ..   |                                                          |

The following programme of inspection of institutions associated with the Oriental College was approved:

| Name of the institution.                               | To be inspected by—                                       |
|--------------------------------------------------------|-----------------------------------------------------------|
| 1. The Madrasa of the Anjuman - i - Islamia, Lahore .. | Dr. Muhammad Iqbal, M.A., Ph.D.                           |
| 2. Sanskrit Pathshala, Hoshiarpur ..                   | M. M. Pandit Madhava Bhandari, Head Pandit.               |
| 3. R. B. Gagar Mal's Sanskrit Pathshala, Amritsar ..   | S. Jodh Singh, M.A., Principal, Khalsa College, Amritsar. |
| 4. Dar-ul-Ulum Hanafiya, Kasur ..                      | M. Rasul Khan, Head Maulvi.                               |
| 5. S. D. Pathshala, Jind ..                            | Dr. Lakshman Sarup, M.A., D. Phil.                        |

- |                                                                               |                                                        |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| 6. The Madrasa of the Anjuman-i-Nusrat-ul-Islam, Srinagar.                    | M. Abdul Hasan, B.A., I.E.S. (Retd.), D.P.I., Kashmir. |
| 7. Mahavidyalaya, Sulatanpur ..                                               | M. M. Pandit Madhava Bhandari.                         |
| 8. Khalsa Parcharak Vidyala, T a r a n Taran ..                               | S. Jodh Singh, M.A.                                    |
| 9. The Madrasa of the Anjuman - i - Islam, Gujranwala ..                      | M. Aulad Hussain 'Shadan,' Head Munshi.                |
| 10. Shri Shankar Nath Mahavidyalaya, Hadialabad, Phagwara (Kapurthala State). | M. M. Pandit Madhava Bhandari, Head Pandit.            |
| 11. Jamia Islamia, Amritsar .. ..                                             | S. Jodh Singh, M.A.                                    |

### University Extension Lectures.

The following University Extension Lectures were delivered during the period under report:

| Centre.   | Name of Lecturer.                                                                                                                                                                   | Subject.                                                                      |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Lahore .. | Professor E. C. C. B a l y, C.B.E., D.Sc., F.R.S., Emeritus Professor of Chemistry, University of Liverpool, and a member of the British Delegation to the Indian Science Congress. | Two lectures on "P h o t o s y n t h e s e s of Organic Compounds in Plants." |
| Lahore .. | Professor J. E. Lennard - Jones, Ph.D., D.Sc., F.R.S., Plummer Professor of                                                                                                         | "New Ideas in Physics a n d Chemistry."                                       |

Theoretical Chemistry, University of Cambridge, and a member of the British Delegation to the Indian Science Congress.

**Lahore** . . . Dr. A. C. Chakravarty, M.A., D.Phil. (Oxon.), Professor of English, Forman Christian College, Lahore.

1. "The Background of 20th Century Literature."
2. "The Struggle of Belief in Post-War Poetry."
3. "Hardy and the Moderns."
4. "The Growth of New Verse."
5. "The Technique of Waste-Land-Eliot and the Imagist."
6. "The Psychological Factor in Modern English Poetry—Auden and others."
7. "War and Poetry — From Rupert Brooke, Owen to Stephen Spender."
8. "Yeats and the Moderns."

- |             |     |                                                                    |
|-------------|-----|--------------------------------------------------------------------|
|             |     | 9. "Poetry and Social Service — Day Lewis and Others."             |
|             |     | 10. "The Revival of the Poetic Drama — Eliot, Auden and Macneice." |
| Amritsar .. | Do. | 1. "Poetry and the Crisis of Civilization."                        |
|             |     | 2. "Propaganda and Modern Verse."                                  |

### Honours

During the period under report, the following persons connected with the University were honoured by the Government by the conferment of the titles noted against their names:

J. E. Parkinson, Esqr., M.A., I.E.S.—C.I.E.

Begum Jahan Ara Shah Nawaz, M.L.A.—M.B.E.

Khan Shah Alam Khan—Khan Sahib.

Mian Muhammad Ibrahim, M.A., P.E.S., Principal, Emerson College, Multan—Khan Sahib.

Dr. R. R. Stewart, M.A., Ph.D., Principal, Gordon College, Rawalpindi—Kaisar-i-Hind Medal of First Class.

### Deaths

During the period under report, the University sustained heavy loss in the deaths of the following:

1. His Highness Maharaja Sir Bhupindar Singh, Mahindar Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., A.D.C., Maharaja of Patiala, who was an honorary Doctor of Laws of this University.
2. Dr. Sir Mohammad Iqbal, Kt., M.A., Ph.D., D.Litt., Bar-at-Law, who was for many years a Fellow, a member of the Syndicate, Dean of the Oriental Faculty, a

member of the Board of Studies in Philosophy, a member of the Board of Studies in Arabic, Persian, etc., and an honorary Doctor of Literature of this University.

3. Lt.-Col. R. H. Bott, C.I.E., I.M.S., who was a Fellow and a member of the Syndicate of this University.
4. Khan Bahadur Sh. Amir Ali, B.A., who was an Honorary Fellow of this University for many years.

### **Election of Fellows**

L. Mehr Chand, M.A., M.Sc., Principal, D.A.-V. College, Lahore, was re-elected by the Registered Graduates to be an ordinary Fellow of this University with effect from 11th March 1938.

### **Appointments, etc.**

In view of the fact that all the appointments, confirmations and promotions are gazetted from time to time in the "University Gazette," a very brief reference, as in previous years, is made in this Report to some of the more important of them.

Mr. B. H. Dobson, C.I.E., C.B.E., I.C.S., Financial Commissioner, Revenue, Punjab, Lahore, was nominated as Vice-Chancellor of this University with effect from the 14th April 1938, vice Mr. M. L. Darling, C.I.E., M.A., I.C.S.

With effect from the 11th October 1938, Khan Bahadur Mian M. Afzal Husain, M.A. (Cantab.), M.Sc. (Pb.), I.A.S., has been appointed as whole-time paid Vice-Chancellor of this University.

Dr. S. S. Bhatnagar, O.B.E., D.Sc., F. Inst.P., University Professor of Physical Chemistry and Director of University Chemical Laboratories, was appointed as Dean of University Instruction for the year 1938. He having resigned his post as Honorary Dean of University Instruction, Khan Bahadur Mian M. Afzal Husain, has been appointed as Dean of University Instruction for the period

that he holds the office of Vice-Chancellor of this University.

M. Mohammad Shafi, M.A., was reappointed as Principal of the Oriental College and University Professor of Arabic, on his present emoluments with effect from the 1st October 1938, for one year.

Mr. J. W. Thomas, B.Com., B.Sc., was reappointed as Principal of the Hailey College of Commerce, Lahore, for one more year with effect from 1st October 1939, on his present emoluments.

The term of Dr. L. C. Jain's deputation to the Tariff Board was extended up to the end of November, 1937. Revd. Dr. E. D. Lucas, M.A., D.D., Ph.D., was nominated as the Head of the University Department of Economics, from 1st of October to the date of Dr. Jain's return, on Rs. 200 p.m.

Dr. L. C. Jain, M.A., LL.B., Ph.D., D.Sc., and Dr. J. N. Ray, M.Sc., Ph.D., D.Sc., F.I.C., were given the revised Professors' grade, viz., Rs. 600—40—1,000, and Rs. 920 per mensem in that grade with effect from 1st April 1938.

Mr. Desh Raj Mahajan, M.A., LL.B., and Mr. C. L. Mathur, M.A., LL.B. (Cantab.), Bar-at-Law, were appointed as whole-time Law Readers in the Law College, Lahore, for a further period of five years from the 1st May 1938, and 15th September 1938, respectively.

Professor Dewan Chand Sharma, M.A., D.A.V. College, Lahore, was appointed as part-time University Lecturer in English for students of the Honours Schools in Science subjects for a period of three years with effect from the 1st of October 1937, on Rs. 100 per mensem.

Dr. B. A. Kuraishi, M.A., Ph.D., Professor, Islamia College, Lahore, was appointed as part-time University Lecturer in German for a period of three years with effect from 1st of October 1937, on the same terms as for 1936-37.

Dr. Surya Kanta, M.A., M.O.L., D.Litt. (Panjab), D.Phil. (Oxon.), was appointed as University Reader in Sanskrit, on Rs. 400 per mensem in

the grade of Rs. 400—25—600 on six months' probation and was confirmed in his post with effect from 8th June 1938.

Mr. H. M. Shairani, Lecturer in Urdu, Oriental College, Lahore, was granted six months' furlough with effect from the date on which the extension of service granted to him terminated.

Dr. S. S. Bhatnagar, O.B.E., D.Sc., F.Inst.P., University Professor of Physical Chemistry and Director of University Chemical Laboratories, was permitted to leave India on the 1st of May 1938, on deputation for the month of May, to attend the 10th International Chemical Conference to be held at Rome from the 16th to 21st May 1938. He did not, however, avail of this.

### **Degrees Conferred.**

On the recommendation of the Syndicate, and on the reports of the examiners on the thesis submitted, the Senate of this University decided to award the degree of Doctor of Science to Mr. A. C. Joshi, M.Sc.

On the recommendation of the Syndicate, and on the reports of examiners on the theses submitted, the Senate of this University decided to award the Degree of Doctor of Philosophy to the following persons in the Faculties noted against their names :

|                         |    |    |          |
|-------------------------|----|----|----------|
| Mr. L. D. Mahajan       | .. | .. | Science. |
| Mr. B. K. Madan         | .. | .. | Arts.    |
| Mr. Kartar Singh Narang | .. | .. | Science. |
| Mr. Hari Ram Gupta,     | .. | .. | Arts.    |
| Mr. Diwan Chand Bahl    | .. | .. | Science. |

### **Delegates to Conferences, etc.**

Dr. G. Matthai, M.A., Sc.D., F.R.S.E., I.E.S., Dean of University Instruction, was nominated as a delegate of this University to be present on the occasion of the celebration of the Fiftieth Anniversary of the foundation of the Allahabad University between the 13th and 18th of December 1937.

Dr. S. S. Bhatnagar, O.B.E., D.Sc., F.Inst.P., Director of the University Chemical Laboratories, was nominated as a delegate to represent this University on the occasion of the 10th International Chemical Congress held at Rome from the 16th to the 21st May 1938.

Lt.-Col. P. B. Bharucha, O.B.E., D.S.O., F.R.C.S., L.R.C.P., I.M.S., Principal, King Edward Medical College, Lahore, was elected by the Senate of this University as a member of the Medical Council of India vice Khan Bahadur Dr. K. A. Rahman, O.B.E., M.B., Ch.B., D.P.H., resigned.

Lala Labhu Ram, Librarian, Panjab University Library, was nominated as a delegate to represent this University at the session of the All-India Library Conference held at Delhi on December 22, 23 and 24.

The following persons were nominated to represent this University at the functions connected with the Golden Jubilee of the Anjuman-i-Himayat-i-Islam, Lahore:

Principal Mohammad Shafi, M.A.

Rai Bahadur Lala Durga Das, B.A., LL.B.

The Dean of University Instruction.

In view of the fact that Dr. H. Chaudhuri, D.Sc., University Reader in Botany, was to preside over the International Horticultural Congress held in Berlin during August, the Syndicate gave him a subsidy of Rs. 500 to meet his travelling expenses.

### **Meetings**

Three Meetings of the Senate, 15 of the Syndicate, 3 of the Academic Council, 5 of the Science Faculty, 6 of the Arts Faculty, 3 of the Law Faculty, 8 of the Oriental Faculty, 4 of the Medical Faculty, 4 of the Agricultural Faculty, 2 of the Commerce Faculty, 1 of the Dental Faculty, and 3 of the Engineering Faculty were held during the period under review.

### **Grants to Colleges**

Owing to financial stringency, the Punjab Government (Ministry of Education) not restoring

the discontinued grant of Rs. 30,000, it is regretted that, as during the last few years, no grant was given to any College for improvement of College Libraries and Science Equipment, during the year under report.

Owing to financial stringency, no grant was sanctioned by the University for the year 1938-39 towards the salary of Physical Instructors in the Colleges.

A Library grant of Rs. 56 was sanctioned to each of the following fourteen institutions associated with the Oriental College, Lahore, from the Budget provision of 1937-38:

1. The Madrasa of the Anjuman-i-Islamia, Lahore.
2. R. B. Gagar Mal's Sanskrit Pathshala, Amritsar.
3. S. D. Sanskrit Pathshala, Multan.
4. Sanskrit Pathshala, Hoshiarpur.
5. Jamia-Ahmadiya, Qadian.
6. Madrasa-i-Fazillia, Batala.
7. Dar-ul-Ulum-Hanafiya, Kasur.
8. S. D. Pathshala, Jind.
9. Mahavidyala, Sultanpur (Kapurthala State).
10. Khalsa Parcharak Vidyala, Tarn Taran.
11. Madrasa of the Anjuman Nasrat-al-Islam, Srinagar.
12. Dar-ul-Ulum, Gujranwala.
13. Brahm Sabha Pathshala, Simla.
14. Rishi Kula, Lyallpur.

### **Recognition of Examinations**

During the period under review, the following examinations of other Universities or bodies were recognised as equivalent to the corresponding examinations of this University noted against their names:

University of Allahabad .. M.A. and M.Sc. examinations as equivalent to the corresponding examinations of this

University for purposes of admission to the Degree of Doctor of Philosophy.

National University of Ireland. .. Matriculation examination as equivalent to the Matriculation examination of this University.

The L.M.S. Diploma and the M.B.B.S., M.D. and M.S. Degrees of this University, granted on or after 25th February, 1930, have been recognized for the time being by the General Medical Council of Great Britain under section 15 of the Medical Act, 1886, as furnishing a sufficient guarantee of the possession of the requisite knowledge and skill for the efficient practice of medicine, surgery and midwifery, and holders of any of the said diploma or degree are entitled accordingly, on fulfilment of the conditions prescribed by section 11 of the Act, to be registered in the Colonial List of the Medical Register kept by the Council, subject to the condition that any qualification granted on or after 1st January 1918, must have been registered in the Province.

### **Miscellaneous.**

The following conditions have been laid down by the Syndicate, in addition to the requirements laid down by the Indian Universities Act, 1904, to ensure financial stability and adequate teaching in the case of colleges applying for affiliation up to the Intermediate standard:

- (a) There should either be a separate endowment fund, that cannot be alienated, so long as the college continues to exist, of Rs. 60,000 in the case of a college teaching Science subjects, and of Rs. 50,000 in the case of a college teaching only Arts subjects, or a guaranteed annual income of Rs. 5,000 in the case of Science subjects and of

Rs. 4,000 in the case of Arts subjects from immovable properties assigned to the college. The guaranteed income is to be in addition to the annual income derived from fees.

- (b) The institution should either possess adequate buildings, equipment and furniture or adequate funds to be determined in each case by the Syndicate in addition to (a) above, for the construction of necessary buildings and for the purchase of necessary equipment and furniture.
- (c) That an initial expenditure of Rs. 1,000 in the first year and of Rs. 500 for the next four years be incurred in the purchase of books for the college library.
- (d) That the initial staff be approved by the University and that all subsequent changes be reported to the Syndicate.
- (e) In the case of institutions founded by individual donors the following basic conditions for a trust deed shall be observed:
  - (1) That the Founder of the Trust is the sole absolute owner of the property endowed.
  - (2) That the Trust is created by a regularly registered deed to be approved by the Syndicate.
  - (3) That the Founder permanently and unequivocally divests himself, his heirs and executors, of all interest in the property endowed.
  - (4) That the endowed property is made to vest permanently and absolutely in the Trustees collectively for the purposes of the Trust.
  - (5) That the Board of trustees consists of at least seven members of whom at

least five are independent persons who are not in any way related to or dependent upon the Founder of the Trust.

- (6) That in case of future vacancies in the Board nominations are made by the Board and not by the Founder and such nominations are forthwith reported to the Syndicate.
- (7) That all buildings included in the Trust are sufficiently insured against fire.
- (8) That copies of the Proceedings of the Board and a statement of the annual income and expenditure of the Trust is supplied to the Syndicate.

The annual increment of the University Lecturer's grade for new entrants was reduced from Rs. 15 to Rs. 10, *i.e.*, the grade to be Rs. 200-10-350.

#### *FINANCE.*

During 1937-38, the following grants were received from Punjab Government:

|                                                                                        | Rs.             | a.       | p.       |
|----------------------------------------------------------------------------------------|-----------------|----------|----------|
| (a) Recurring Grant for Teaching ..                                                    | 35,000          | 0        | 0        |
| (b) Grant for General Purposes ..                                                      | 42,550          | 0        | 0        |
| (c) Grant for Travelling Allowance<br>to Fellows and Inspectors of<br>Colleges .. .. . | 6,000           | 0        | 0        |
| (d) Grant for Oriental College ..                                                      | 31,500          | 0        | 0        |
| (e) For the School of Chemistry ..                                                     | 65,000          | 0        | 0        |
| (f) For the Foreign Information<br>Bureau .. .. .                                      | 2,450           | 0        | 0        |
| (g) For the Honours School in Tech-<br>nical Chemistry .. .. .                         | 20,000          | 0        | 0        |
| (h) For Hailey College of Commerce                                                     | 42,000          | 0        | 0        |
| (i) For Vernacular Chairs in the<br>Oriental College .. .. .                           | 7,200           | 0        | 0        |
| (j) For Vice-Chancellor's Personal<br>Allowance .. .. .                                | 3,000           | 0        | 0        |
| (k) For School of Zoology ..                                                           | 15,000          | 0        | 0        |
| (l) For Physical Training ..                                                           | 9,000           | 0        | 0        |
| (m) For Library Periodicals ..                                                         | 300             | 0        | 0        |
| <b>Total ..</b>                                                                        | <b>2,79,000</b> | <b>0</b> | <b>0</b> |

For the year 1938-39, the following grants have been sanctioned by the Punjab Government:

|                                                                                            | Rs.      | a. | p. |
|--------------------------------------------------------------------------------------------|----------|----|----|
| For University Teaching .. ..                                                              | 35,000   | 0  | 0  |
| For Travelling Allowance to Fellows<br>and Inspectors of Colleges .. ..                    | 6,000    | 0  | 0  |
| For General Purposes .. ..                                                                 | 42,550   | 0  | 0  |
| For School of Chemistry .. ..                                                              | 65,000   | 0  | 0  |
| For the Oriental College and for the<br>Improvement of the Oriental<br>College Staff .. .. | 31,500   | 0  | 0  |
| For Foreign Information Bureau ..                                                          | 2,450    | 0  | 0  |
| For Honours School in Technical<br>Chemistry .. ..                                         | 20,000   | 0  | 0  |
| For Hailey College of Commerce ..                                                          | 42,000   | 0  | 0  |
| For Vernacular Chairs in the Oriental<br>College .. ..                                     | 7,200    | 0  | 0  |
| For Vice-Chancellor's Personal<br>Allowance .. ..                                          | 2,892    | 0  | 0  |
| For School of Zoology .. ..                                                                | 15,000   | 0  | 0  |
| For Physical Training .. ..                                                                | 9,000    | 0  | 0  |
| For Library Periodicals .. ..                                                              | 300      | 0  | 0  |
| Total ..                                                                                   | 2,78,892 | 0  | 0  |

All the grants have been realized. The unspent balance of Rs. 1,419/11/- is being refunded out of the grant received during the year 1938-39. Short-term deposits were not allowed by the Bank.

The Financial Statement for the year 1937-38 is attached as Appendix III.

ISHWAR DAS,  
**Registrar.**

# APPENDIX I. EXAMINATIONS.

Table A

Statement showing the examinations held during the last two years in the various Faculties with the number of candidates who appeared and passed—

| Examination.               | 1936-37.           |             |                  | 1937-38.           |             |                  |
|----------------------------|--------------------|-------------|------------------|--------------------|-------------|------------------|
|                            | No. of candidates. | No. passed. | Pass percentage. | No. of candidates. | No. passed. | Pass percentage. |
| <b>ORIENTAL FACULTY—</b>   |                    |             |                  |                    |             |                  |
| F.O.L. ..                  | 1                  | Nil         | ..               | 2                  | 1           | 50               |
| P.O.L. ..                  | ..                 | ..          | ..               | 2                  | 2           | 100              |
| <b>ORIENTAL LANGUAGES—</b> |                    |             |                  |                    |             |                  |
| <i>Sanskrit—</i>           |                    |             |                  |                    |             |                  |
| Prajna ..                  | 426                | 279         | 65.5             | 487                | 312         | 64.07            |
| Visharad ..                | 245                | 111         | 45.3             | 289                | 144         | 49.8             |
| Shastri ..                 | 228                | 91          | 39.9             | 257                | 88          | 34.2             |
| <i>Arabic—</i>             |                    |             |                  |                    |             |                  |
| Maulvi ..                  | 34                 | 17          | 50               | 49                 | 35          | 71.4             |
| Do. Alim ..                | 13                 | 10          | 76.9             | 15                 | 13          | 86.7             |
| Do. Fazil ..               | 85                 | 32          | 37.6             | 83                 | 54          | 65.06            |
| <i>Persian—</i>            |                    |             |                  |                    |             |                  |
| Munshi ..                  | 183                | 124         | 67.7             | 219                | 137         | 62.6             |
| Do. Alim ..                | 19                 | 17          | 89.4             | 21                 | 13          | 61.9             |
| Do. Fazil ..               | 523                | 308         | 58.8             | 513                | 291         | 56.7             |
| <i>Hindi—</i>              |                    |             |                  |                    |             |                  |
| Proficiency ..             | 1,171              | 694         | 59.1             | 1,351              | 780         | 57.7             |
| High Proficiency ..        | 716                | 360         | 50.2             | 878                | 547         | 62.3             |
| Honours ..                 | 397                | 147         | 37.02            | 542                | 247         | 45.6             |
| <i>Punjabi—</i>            |                    |             |                  |                    |             |                  |
| Proficiency ..             | 127                | 103         | 81.1             | 111                | 71          | 63.9             |
| High Proficiency ..        | 16                 | 10          | 62.5             | 18                 | 13          | 72.2             |
| Honours ..                 | 397                | 226         | 56.9             | 462                | 247         | 53.5             |

NOTE.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

| Examination.                                           | 1936-37.                   |                |                          | 1937-38.                   |                |                          |
|--------------------------------------------------------|----------------------------|----------------|--------------------------|----------------------------|----------------|--------------------------|
|                                                        | No. of<br>candi-<br>dates. | No.<br>passed. | Pass<br>percent-<br>age. | No. of<br>candi-<br>dates. | No.<br>passed. | Pass<br>percent-<br>age. |
| <i>Urdu—</i>                                           |                            |                |                          |                            |                |                          |
| Proficiency ..                                         | 61                         | 31             | 50.8                     | 90                         | 49             | 54.4                     |
| High Proficiency ..                                    | 206                        | 100            | 48.5                     | 285                        | 147            | 51.6                     |
| Honours ..                                             | 82                         | 28             | 34.1                     | 153                        | 45             | 29.4                     |
| Proficiency in Panjabi<br>in Persian Script            | 1                          | Nil            | ..                       | 10                         | 9              | 90                       |
| High Proficiency in<br>Panjabi in Persian<br>Script .. | 10                         | 4              | 40                       | 20                         | 10             | 50                       |
| Honours in Panjabi<br>in Persian Script                | 22                         | 11             | 50                       | 43                         | 22             | 51.2                     |
| <i>Pashto—</i>                                         |                            |                |                          |                            |                |                          |
| Proficiency ..                                         | 2                          | 2              | 100                      | 2                          | 2              | 100                      |
| High Proficiency ..                                    | 2                          | 1              | 50                       | 3                          | 1              | 33.3                     |
| Honours ..                                             | 8                          | 5              | 62.5                     | 12                         | 10             | 83.3                     |
| <b>ARTS FACULTY—</b>                                   |                            |                |                          |                            |                |                          |
| Matriculation ..                                       | 22,468                     | 17,165         | 76.4                     | 22,694                     | 18,371         | 80.9                     |
| Intermediate ..                                        | 4,647                      | 2,672          | 57.5                     | 4,818                      | 2,780          | 57.9                     |
| B.A. ..                                                | 3,312                      | 1,843          | 55.6                     | 3,563                      | 2,170          | 60.9                     |
| Honours in B.A. (old<br>type) ..                       | 271                        | 118            | 43.5                     | 302                        | 128            | 42.4                     |
| Hon. Sch. in History                                   | 4                          | 3              | 75                       | ..                         | ..             | ..                       |
| M.A. ..                                                | 313                        | 184            | 58.7                     | 384                        | 247            | 64.3                     |
| Hon. School in History                                 | 5                          | 5              | 100                      | 4                          | 3              | 75                       |
| Doctor of Science ..                                   | 1                          | 1              | 100                      | ..                         | ..             | ..                       |
| Doctor of Philosophy                                   | 7                          | 4              | 51.1                     | 9                          | 9              | 100                      |
| B.T. ..                                                | 161                        | 142            | 88.2                     | 169                        | 156            | 92.3                     |
| <b>SCIENCE FACULTY—</b>                                |                            |                |                          |                            |                |                          |
| Intermediate (N.M.)                                    | 777                        | 506            | 64.3                     | 821                        | 494            | 60.2                     |
| Do. (Medical<br>Students' Group) ..                    | 576                        | 358            | 65.4                     | 590                        | 392            | 68.1                     |
| B.Sc. ..                                               | 294                        | 203            | 69.04                    | 292                        | 195            | 66.8                     |
| Honours School Preli-<br>minary and Subsidiary ..      | 105                        | 95             | 90.4                     | 99                         | 79             | 79.8                     |
| B.Sc. Honours School                                   | 55                         | 51             | 92.7                     | 65                         | 64             | 98.5                     |
| M.Sc. (old type) ..                                    | 15                         | 13             | 86.6                     | 2                          | 2              | 100                      |

NOTE.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

| Examination.                           | 1936-37.                   |                |                          | 1937-38.                   |                   |                          |
|----------------------------------------|----------------------------|----------------|--------------------------|----------------------------|-------------------|--------------------------|
|                                        | No. of<br>candi-<br>dates. | No.<br>passed. | Pass<br>percent-<br>age. | No. of<br>candi-<br>dates. | No.<br>passed.    | Pass<br>percent-<br>age. |
| <b>M. Sc. (Hon. Sch.)—</b>             |                            |                |                          |                            |                   |                          |
| Chemistry ..                           | 10                         | 10             | 100                      | 12                         | Result incomplete |                          |
| Tech. ..                               | 16                         | 16             | 100                      | 13                         | 13                | 100                      |
| Botany ..                              | 3                          | 1              | 33·3                     | *3                         | 1                 | 33·3                     |
| Zoology ..                             | 3                          | 2              | 66·7                     | 3                          | Result incomplete |                          |
| Physics ..                             | ..                         | ..             | ..                       | 11                         | 11                | 100                      |
| <b>LAW FACULTY—</b>                    |                            |                |                          |                            |                   |                          |
| First Examination in                   |                            |                |                          |                            |                   |                          |
| Law (old) ..                           | 224                        | 127            | 56·6                     | 215                        | 44                | 20·4                     |
| F.E.L. (new) ..                        | ..                         | ..             | ..                       | 154                        | 119               | 77·3                     |
| Bachelor of Laws (old)                 | 496                        | 330            | 66·5                     | 282                        | 131               | 46·5                     |
| Special Test in Law                    |                            |                |                          |                            |                   |                          |
| (April) ..                             | 4                          | 4              | 100                      | 2                          | 1                 | 50                       |
| Diploma in Conveyan-<br>cing and Deed- |                            |                |                          |                            |                   |                          |
| Writing ..                             | 10                         | 9              | 90                       | 12                         | 12                | 100                      |
| Master of Laws ..                      | 10                         | 2              | 20                       | 5                          | 1                 | 20                       |
| <b>MEDICAL FACULTY—</b>                |                            |                |                          |                            |                   |                          |
| First Professional                     |                            |                |                          |                            |                   |                          |
| Examination for                        |                            |                |                          |                            |                   |                          |
| M.B., B.S. (Oct.)                      | 63                         | 36             | 57·1                     | 66                         | 38                | 57·6                     |
| Do. do. (April)                        | 130                        | 63             | 48·4                     | 128                        | 72                | 56·6                     |
| Second Professional                    |                            |                |                          |                            |                   |                          |
| Examination for                        |                            |                |                          |                            |                   |                          |
| M.B., B.S. (October)                   | 54                         | 32             | 59·3                     | 62                         | 32                | 51·6                     |
| Do. do. (April)                        | 135                        | 77             | 57·05                    | 128                        | 65                | 50·8                     |
| Third Professional                     |                            |                |                          |                            |                   |                          |
| Examination for                        |                            |                |                          |                            |                   |                          |
| M.B., B.S. (October)                   | 31                         | 16             | 51·6                     | 21                         | 20                | 95·2                     |
| Do. do. (April)                        | 83                         | 74             | 89·1                     | 97                         | 80                | 82·5                     |
| Final Professional                     |                            |                |                          |                            |                   |                          |
| Examination for                        |                            |                |                          |                            |                   |                          |
| M.B., B.S. (October                    |                            |                |                          |                            |                   |                          |
| Session) ..                            | 112                        | 41             | 36·6                     | 116                        | 41                | 35·3                     |
| Do. do. (April                         |                            |                |                          |                            |                   |                          |
| Session) ..                            | 73                         | 33             | 45·2                     | 94                         | 40                | 42·6                     |

**NOTE.**—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

\*Result of two candidates to be declared later.

| Examination.                                     | 1936-37.           |             |                  | 1937-38.           |                   |                  |
|--------------------------------------------------|--------------------|-------------|------------------|--------------------|-------------------|------------------|
|                                                  | No. of candidates. | No. passed. | Pass percentage. | No. of candidates. | No. passed.       | Pass percentage. |
| First Professional B.D.S. ..                     | ..                 | ..          | ..               | 14                 | 10                | 71.4             |
| Second Professional B.D.S. ..                    | ..                 | ..          | ..               | 6                  | 6                 | 100              |
| *Third Professional B.D.S. ..                    | 3                  | 3           | 100              | ..                 | ..                | ..               |
| M.S. ..                                          | 1                  | Nil         | ..               | 2                  | 1                 | 50               |
| COMMERCIAL FACULTY—                              |                    |             |                  |                    |                   |                  |
| English Preliminary for Bachelor of Commerce ..  | 35                 | 25          | 71.4             | 46                 | 37                | 80.4             |
| Bachelor of Commerce ..                          | 49                 | 36          | 73.4             | 44                 | 32                | 72.7             |
| Diploma in Commerce ..                           | ..                 | ..          | ..               | 9                  | 5                 | 55.6             |
| AGRICULTURAL FACULTY                             |                    |             |                  |                    |                   |                  |
| First Examination in Agriculture (1st yr.) ..    | ..                 | ..          | ..               | 119                | 71                | 59.7             |
| First Examination in Agriculture (2nd yr.) ..    | 114                | 61          | 53.5             | 155                | 111               | 71.6             |
| B.Sc. (Agriculture) Part I ..                    | 58                 | 34          | 58.6             | 82                 | 62                | 75.6             |
| B.Sc. (Agriculture) Part II ..                   | 40                 | 18          | 45               | 48                 | 31                | 64.6             |
| M.Sc. (Agriculture) ..                           | 2                  | 2           | 100              | 1                  | Result incomplete |                  |
| ENGINEERING FACULTY                              |                    |             |                  |                    |                   |                  |
| 1st Examination in Engineering ..                | 23                 | 20          | 86.9             | 17                 | 15                | 88.2             |
| 2nd Examination in Engineering ..                | 12                 | 9           | 75               | 21                 | 14                | 66.7             |
| Final Examination in Engineering (Electrical) .. | 10                 | 6           | 60               | 5                  | 3                 | 60               |
| Final Examination in Engineering (Mechanical) .. | 5                  | 5           | 100              | 4                  | 3                 | 75               |
| OTHER EXAMINATIONS—                              |                    |             |                  |                    |                   |                  |
| S.L.C. ..                                        | 45                 | 33          | 73.3             | 35                 | 22                | 62.9             |
| Total ..                                         | 39,838             | ..          | ..               | 41,755             | ..                | ..               |

\*NOTE.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

\*Result of two candidates to be declared later..

Table B.

Statement showing the number of candidates (appeared and passed) at the Supplementary Examinations held during the sessions 1936-37 and 1937-1938.

| Examination.                                                | 1936-37.           |             | 1937-38.           |             |
|-------------------------------------------------------------|--------------------|-------------|--------------------|-------------|
|                                                             | No. of candidates. | No. passed. | No. of candidates. | No. passed. |
| <b>ARTS FACULTY—</b>                                        |                    |             |                    |             |
| Intermediate .. ..                                          | 196                | 146         | 182                | 144         |
| B.A. .. ..                                                  | 135                | 80          | 163                | 109         |
| <b>SCIENCE FACULTY—</b>                                     |                    |             |                    |             |
| Intermediate (Non-Medical) ..                               | 82                 | 57          | 56                 | 48          |
| Do. (Medical Group) ..                                      | 39                 | 31          | 44                 | 40          |
| B. Sc. .. ..                                                | 15                 | 10          | 13                 | 10          |
| Hon. Sch. Preliminary and Subsidiary                        | 22                 | 20          | 13                 | 12          |
| <b>FACULTY OF AGRICULTURE—</b>                              |                    |             |                    |             |
| F. Sc. (Agriculture) 1st year ..                            | ..                 | ..          | ..                 | ..          |
| F. Sc. (Agriculture) 2nd year ..                            | 6                  | 5           | 2                  | 2           |
| B. Sc. (Agriculture) Part I ..                              | 9                  | 6           | 11                 | 10          |
| B. Sc. (Agriculture) Part II ..                             | 11                 | 7           | 12                 | 12          |
| <b>FACULTY OF MEDICINE—</b>                                 |                    |             |                    |             |
| B. D. S. (Final) .. ..                                      | 12                 | 11          | 4                  | 4           |
| <b>FACULTY OF COMMERCE—</b>                                 |                    |             |                    |             |
| English Preliminary for Bachelor of Commerce Examination .. | 7                  | 7           | 9                  | 5           |
| Bachelor of Commerce .. ..                                  | 5                  | 3           | 2                  | 2           |
| <b>ENGINEERING FACULTY—</b>                                 |                    |             |                    |             |
| 1st Examination in Engineering ..                           | 1                  | 1           | ..                 | ..          |
| 2nd Examination in Engineering ..                           | 2                  | 2           | ..                 | ..          |
| Final Examination in Electrical ..                          | ..                 | ..          | 1                  | 1           |
| Final Examination in Mechanical ..                          | ..                 | ..          | ..                 | ..          |
| <b>FACULTY OF LAW—</b>                                      |                    |             |                    |             |
| F. E. L. .. ..                                              | 46                 | 40          | 29                 | 23          |
| LL.B. .. ..                                                 | 65                 | 53          | 61                 | 57          |

NOTE.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

| Examination.                               | 1936-37.                   |                | 1937-38.                   |                |
|--------------------------------------------|----------------------------|----------------|----------------------------|----------------|
|                                            | No. of<br>candi-<br>dates. | No.<br>passed. | No. of<br>candi-<br>dates. | No.<br>passed. |
| <b>ORIENTAL FACULTY—</b>                   |                            |                |                            |                |
| Prajna .. ..                               | 10                         | 10             | 25                         | 25             |
| Visharad .. ..                             | 6                          | 5              | 1                          | 1              |
| Maulvi .. ..                               | 2                          | 2              | 2                          | 2              |
| Maulvi Alim .. ..                          | 1                          | 1              | ..                         | ..             |
| Munshi .. ..                               | 1                          | 1              | 2                          | 1              |
| Munshi Alim .. ..                          | ..                         | ..             | ..                         | ..             |
| Prof. in Urdu .. ..                        | ..                         | ..             | 9                          | 8              |
| High Prof. in Urdu .. ..                   | 21                         | 19             | 21                         | 19             |
| Prof. in Hindi .. ..                       | 55                         | 51             | 91                         | 76             |
| High Prof. in Hindi .. ..                  | 65                         | 49             | 62                         | 60             |
| Prof. in Panjabi (Persian Script) .. ..    | 1                          | 1              | ..                         | ..             |
| H. Prof. in Panjabi (Persian Script) .. .. | 1                          | 1              | 1                          | 1              |
| Prof. in Panjabi .. ..                     | 5                          | 5              | 3                          | 3              |
| High Proficiency in Panjabi .. ..          | 2                          | 2              | ..                         | ..             |
| Total .. ..                                | 823                        | ..             | 819                        | ..             |

NOTE.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

TABLE C

Statement showing the number of female candidates (appeared and passed) in the various Examinations held during the last two years:

| Name of Examination.                                                                                | 1937.           |                | 1938.           |                |
|-----------------------------------------------------------------------------------------------------|-----------------|----------------|-----------------|----------------|
|                                                                                                     | <i>Appeared</i> | <i>Passed.</i> | <i>Appeared</i> | <i>Passed.</i> |
| 1. Matriculation .. ..                                                                              | 1,668           | 1,203          | 1,258           | 859            |
| 2. Intermediate (Arts Faculty) ..                                                                   | 473             | 325            | 565             | 380            |
| 3. Do. (Science Faculty) ..                                                                         | 56              | 43             | 69              | 48             |
| 4. B. A. .. ..                                                                                      | 170             | 121            | 246             | 163            |
| 5. B.A. (old Hons.) .. ..                                                                           | 3               | 2              | 5               | 3              |
| 6. B.Sc. .. ..                                                                                      | 3               | 3              | 3               | 3              |
| 7. Hon. School (Preliminary) ..                                                                     | 1               | 1              | 5               | 5              |
| 8. Hon. School (Subsidiary) ..                                                                      | 1               | 1              | 4               | 3              |
| 9. Do. Final .. ..                                                                                  | 3               | 2              | 1               | 1              |
| 10. B.T. .. ..                                                                                      | 61              | 53             | 70              | 62             |
| 11. M.A. .. ..                                                                                      | 26              | 19             | 12              | 10             |
| 12. M.Sc. .. ..                                                                                     | ..              | ..             | 1               | 1              |
| 13. F.E.L. (old) .. ..                                                                              | ..              | ..             | ..              | ..             |
| 14. F.E.L. (new) .. ..                                                                              | ..              | ..             | ..              | ..             |
| 15. LL.B. .. ..                                                                                     | 1               | 1              | ..              | ..             |
| 16. First Professional Examination for<br>M.B., B.S. (October and April combined) .. ..             | 46              | 18             | 40              | 22             |
| 17. Second Professional Examination for<br>M.B., B.S. (October and April combined) .. ..            | 48              | 28             | 34              | 17             |
| 18. Third Professional Examination for<br>M.B., B.S. (October and April combined) .. ..             | 27              | 22             | 16              | 16             |
| 19. Final Professional Examination for<br>M.B., B.S. (October and April<br>sessions combined) .. .. | 28              | 14             | 20              | 12             |

| Name of Examination. |                                              |    | 1937.           |                | 1938.           |                |
|----------------------|----------------------------------------------|----|-----------------|----------------|-----------------|----------------|
|                      |                                              |    | <i>Appeared</i> | <i>Passed.</i> | <i>Appeared</i> | <i>Passed.</i> |
| 20.                  | Proficiency in Urdu ..                       | .. | 21              | 9              | 25              | 14             |
| 21.                  | High Proficiency in Urdu ..                  | .. | 47              | 19             | 53              | 23             |
| 22.                  | Honours in Urdu ..                           | .. | 3               | 1              | 14              | 3              |
| 23.                  | Proficiency in Hindi ..                      | .. | 1,020           | 590            | 1,133           | 666            |
| 24.                  | High Proficiency in Hindi ..                 | .. | 596             | 290            | 720             | 443            |
| 25.                  | Honours in Hindi ..                          | .. | 313             | 113            | 328             | 154            |
| 26.                  | Budhiman ..                                  | .. | 181             | 84             | 87              | 57             |
| 27.                  | Vidwan ..                                    | .. | 5               | 3              | 12              | 9              |
| 28.                  | Gyani ..                                     | .. | 127             | 49             | 157             | 73             |
| 29.                  | Proficiency in Panjabi (Persian Script)      | .. | <i>Nil</i>      | <i>Nil</i>     | ..              | ..             |
| 30.                  | High Proficiency in Panjabi (Persian Script) | .. | 1               | <i>Nil</i>     | 1               | ..             |
| 31.                  | Honours in Panjabi (Persian Script)          | .. | <i>Nil</i>      | <i>Nil</i>     | 1               | 1              |
| 32.                  | Prajna ..                                    | .. | 11              | 9              | 16              | 12             |
| 33.                  | Visharada ..                                 | .. | 11              | 4              | 13              | 7              |
| 34.                  | Shastri ..                                   | .. | 8               | 2              | 9               | 3              |
| 35.                  | Munshi ..                                    | .. | 14              | 10             | 14              | 6              |
| 36.                  | Munshi Alim ..                               | .. | 1               | <i>Nil</i>     | 1               | ..             |
| 37.                  | Munshi Fazil ..                              | .. | 15              | 7              | 18              | 8              |
| 38.                  | Maulvi ..                                    | .. | 6               | 5              | 8               | 6              |
| 39.                  | Maulvi Alim ..                               | .. | 1               | 1              | ..              | ..             |
| 40.                  | Maulvi Fazil ..                              | .. | 1               | <i>Nil</i>     | ..              | ..             |
| Total ..             |                                              |    | 4,996           | 3,056          | 4,959           | 3,090          |

## UNIVERSITY OF THE PANJAB

The following candidates stood first in their  
respective Examinations held in 1938:

| Name of Examination.      | Name of Candidate.                 | Institution.                             |
|---------------------------|------------------------------------|------------------------------------------|
| Prajna ..                 | Ram Krishan Sharma<br>Bhargava.    | S. D. Sanskrit College,<br>Hoshiarpur.   |
| Visharada ..              | Chandar Prakash Sharma             | Oriental College, Lahore.                |
| Shastri ..                | Manohar Lal Gaur ..                | Delhi Province Private<br>Student.       |
| Maulvi ..                 | Ruqia Begum ..                     | Jullundur District Pri-<br>vate Student. |
| Maulvi Alim ..            | Abdul Naeem Abdul<br>Halim Saif.   | Jammu State Private<br>Student.          |
| Maulvi Fazil ..           | Mohd. Abdul Qudus ..               | Lahore District Private<br>Student.      |
| Munshi ..                 | Salamat Raj Sharma ..              | Jullundur District Pri-<br>vate Student. |
| " ..                      | Syed Maqsd Hasan ..                | Lahore District Private<br>Student.      |
| Munshi Alim ..            | Mohd. Ijaz Farooqi ..              | Private Student Gujrat<br>District.      |
| Munshi Fazil ..           | Ch. Abdul Aziz ..                  | Lahore District Private<br>Student.      |
| Proficiency in Panjabi .. | Mahanjit Kaur ..                   | Amritsar District Pri-<br>vate Student.  |
| High Prof. in Panjabi ..  | Bibi Tej Kaur ..                   | Ludhiana District Pri-<br>vate Student.  |
| Honours in Panjabi ..     | Sant Singh Sokhan ..               | Lahore District Private<br>Student.      |
| Proficiency in Urdu ..    | Syed Zulfiqar Ali ..               | Lahore District Private<br>Student.      |
| High Prof. in Urdu ..     | Amar Nath ..                       | Ditto.                                   |
| Honours in Urdu ..        | Mumtaz Husain Bismol               | Sialkot District Private<br>Student.     |
| Prof. in Pashto ..        | Saadat Khan ..                     | Peshawar District Pri-<br>vate Student.  |
| High Prof. in Pashto ..   | Sher Bahadur ..                    | Ditto.                                   |
| Honours in-Pashto ..      | M. Lal Mohd. Qureshi ..            | Pt. Student Kohat Distt.                 |
| " ..                      | Anwar Ullah Khamgeen<br>Hastangri: | Peshawar District Pri-<br>vate Student.  |

| Name of Examination.                         | Name of Candidate.           | Institution.                         |
|----------------------------------------------|------------------------------|--------------------------------------|
| Prof. in Panjabi<br>(Persian Script) ..      | Khalil-ur-Rahman ..          | Lyallpur District Private Student.   |
| High Prof. in Panjabi<br>(Persian Script) .. | Kishan Singh ..              | Multan District Private Student.     |
| Honours in Panjabi<br>(Persian Script) ..    | Budh Singh Sethi ..          | Rawalpindi District Private Student. |
| Prof. in Hindi ..                            | Sbyam Vati ..                | Delhi Province Private Student.      |
| High Prof. in Hindi ..                       | Gayatri Devi ..              | Lahore District Private Student.     |
| " ..                                         | Shri Krishan Aggarwal ..     | Montgomery District Private Student. |
| Honours in Hindi ..                          | Malu Ram Gupta ..            | Nabha State Private Student.         |
| Matriculation ..                             | Som Nath Nayyar ..           | C.M.High School, Lahore.             |
| Intermediate ..                              | Rajindar Nath Kapur ..       | Govt. College, Lahore.               |
| B. Sc. ..                                    | Om Parkash Chandra Gupta. .. | D. A. V. College, Lahore.            |
| B. A. ..                                     | Sain Das Puri ..             | D. A. V. College, Jullundur.         |
| " ..                                         | Suraj Prakash Kapur ..       | D. A. V. College, Lahore.            |
| M. A. ..                                     | Bhagwan Das Agarwal ..       | Govt. College, Lahore.               |
| B. T. ..                                     | Amrit Lal Sethi ..           | C. T. College, Lahore.               |
| M. S. C. (Old Type) ..                       | Krishan Kumar Bhatia ..      | Private Student Lahore District.     |
| F. E. L. (New) ..                            | Iqbal Singh ..               | Law College, Lahore.                 |
| " ..                                         | Salig Ram Bhandari ..        | Ditto.                               |
| F. E. L. (Old) ..                            | Sharma Jagdish Chandra ..    | Ditto.                               |
| Diploma in Conveyancing and Pleadings.       | Roshan Lal ..                | Ditto.                               |
| LL. B. ..                                    | Sarup Krishan ..             | Ditto.                               |
| LL. M. ..                                    | S. D. Singh ..               | Lahore District Private Student.     |

| Name of Examination.                       | Name of Candidate.       | Institution.                                 |
|--------------------------------------------|--------------------------|----------------------------------------------|
| First Professional<br>M.B., B.S. (Oct.) .. | Mumtaz Akhtar ..         | Lady Hardinge Medical<br>College, New Delhi. |
| „ (April) ..                               | Mobindar Singh Grewal .. | K. E. Medical College<br>Lahore              |
| Second Professional ..                     | Anwar-ul-Islam ..        | K. E. Medical College,<br>Lahore.            |
| M.B., B.S. (Oct.) ..                       | Jitaindar Kumar Mehta .. | Ditto.                                       |
| „ (April) ..                               |                          |                                              |
| Third Professional ..                      | Sardar Singh Minocha ..  | Ditto.                                       |
| M.B., B.S. (Oct.) ..                       |                          |                                              |
| „ (April) ..                               | Abdul Majid Khan ..      | Ditto.                                       |
| „ „                                        | Harbhajan Singh ..       | Ditto.                                       |
| Final M.B., B.S. (Oct.) ..                 | Ali Mohd. ..             | Ditto.                                       |
| „ (April) ..                               | Pran Nath Chhutani ..    | Ditto.                                       |
| B. D. S. (Final) ..                        | No. Candidate appeared   | ..                                           |
| B. Com. ..                                 | Arjan Dass Anand ..      | Hailey College of Com-<br>merce, Lahore.     |
| Diploma in Commerce ..                     | Gulzar Mohd. ..          | Ditto.                                       |
| First Examination in ..                    | Harbans Lal ..           | Khalsa College, Amritsar.                    |
| Agriculture.                               |                          |                                              |
| B. Sc. Agriculture ..                      | Musahib-ud-Din Khan ..   | Panjab Agricultural Col-<br>lege, Lyallpur.  |
| First Examination in ..                    | Prithvi Raj Chopra ..    | MacLagan Engineering<br>College, Moghalpura. |
| Engineering.                               |                          |                                              |
| Second Examination in ..                   | Hans Kumar ..            | M.E. College, Moghalpura                     |
| Engineering.                               |                          |                                              |
| Final Examination in ..                    | Man Mohan Singh Bhatia   | Ditto                                        |
| Engineering (Electrical)                   |                          |                                              |
| „ (Mechanical) ..                          | Surendra Nath ..         | Ditto.                                       |
| S. L. C. Examination ..                    | Hem Raj Kataria ..       | Govt. High School,<br>Pashin.                |

## APPENDIX II.

### Critical and Research Work published by University and College Teachers.

#### ORIENTAL AND ARTS

##### Arabic.

- I. Professor Mohammad Shafi, M.A., University Professor of Arabic and Principal, Oriental College, Lahore—**

(1) The publication of a critical edition of the "**Matla' al-Sa'dain**" has been continued. Pp. 193—328 were published in the "Journal of the Arabic and Persian Society."

(2) Studies from the "**Adab al-Harb wa l-Shaja'a**" (the "Oriental College Magazine" for November 1937, pp. 65—82).

- II. Dr. Inayatullah, M.A., Ph.D., Lecturer, Emerson College, Multan.—**Some European Travellers in Arabia (the "Oriental College Magazine" for May 1937).

- III. M. Abdul Qayyum, M.A., McLeod Arabic Research Student.—**Index of the Poets cited in the *Lisan al-Arab* (the "Oriental College Magazine," pp. 65—137).

##### Sanskrit.

- I. Dr. Lakshman Sarup, M.A., D. Phil. (Oxon.), Officer d'Academie (France), University Professor of Sanskrit, Oriental College, Lahore.—**

(1) "Rgveda with the Commentary of Venkata Madhava (First Astaka)," critically edited and published for the first time (Suktas 1—121). Printed by the Law Journal Press, Allahabad.

- II. Dr. Surya Kanta, M.A., D. Phil. (Oxon.), D. Litt. (Panjab), University Reader in Sanskrit, Oriental College, Lahore.—**

(1) "Atharvapratisakhya" (in Press—26 formes printed).

(2) "Hindi Sahitya ki Ruparakhī" (an outline of the history of Hindi Literature). Published by Messrs. Mehar Chand Lachhman Dass, Said-mitha Bazar, Lahore.

**III. Mr. Jagan Nath, M.A., Lecturer, Oriental College, Lahore.—**

(1) The "Kaumadimahotsara" as a historical play (article published in the "Oriental College Magazine," May 1938).

**IV. Mr. Raghunandan, M.A., M.O.L., Oriental College, Lahore.—**

(1) "An Introduction to Hindi Rhetorics (Alamkarapravesiki)." Published by Messrs. Motilal Banarsidas, Lahore.

**V. Pandit Ram Chandra Kushala, Oriental College, Lahore.—**

(1) "Samaveda and the Auxiliary Literature (article published in the "Oriental College Magazine," February 1938).

(2) Hindi translation of "Ascaryacudamani." Published by "Sahitya Bhavan," Hospital Road, Lahore.

**VI. Dr. Siddheshwar Varma, M.A., D. Litt., Professor of Sanskrit, P. W. College, Jammu.—**

"The Phonetics of Lahanda." Published by the Royal Asiatic Society of Bengal, Calcutta, December 1937.

**Persian.**

**Prof. Mohammad Iqbal, M.A., Ph.D., University Professor of Persian, Oriental College, Lahore.—**

(1) "The Bahr ul Fawaid," in the "Oriental College Magazine," November 1937.

(2) "Al-Hawadith ul Jamia," the "Oriental College Magazine," February 1938.

**Dr. S. Mohammad Abdullah, M.A., D. Litt.—**

1. "Shibli and the Modern Thought," the "Oriental College Magazine," May 1938.

**Agha Abdus Sattar, M.A., Persian Research Scholar.—**

1. "A Poet-Historian of the Reign of Altit-mish," the "Oriental College Magazine," May 1938.

**M. Ziaul Haq, M.A.—**

1. "Minuchihri's Poetry," the "Oriental College Magazine," November 1937 and February 1938.

**Urdu.****(a) Professor H. M. Shairani, Oriental College, Lahore.—**

(1) "Prithi Raj Rasa," a criticism of—**Contd.** "Names of Flowers and Articles of Food and Meals, and other words usually used by Muslims." Published in the "Oriental College Magazine," pp. 3—15, November 1937.

(2) "Rasa and Abul Fazl," the "Oriental College Magazine," pp. 59—67, February 1938.

(3) "Early Persian Poets," by Dr. Iqbal Hussain—A Review and Criticism, the "Oriental College Magazine," page 24, May 1938.

(4) "The War Engines and Firearms"—A Critical and Historical Study. The "Oriental College Magazine," 1938, pp. 3—50.

**(b) Prof. F. Mohammad Shuja Munemi, M.Sc., S. E. College, Bahawalpur, Lahore.—**

"Hikmat Islami ke Maghrib par Ihsan."

**Panjabi.****I. Dr. Mohan Singh, M.A., Ph.D., D. Litt., Lecturer in Panjabi, Oriental College, Lahore.—**

(1) "Panjabi Language and Prosody, 15th and 16th Centuries A.D., Based mainly on Jap of Guru Nanak Dev," in Panjabi with an English introduction; pp. 16+392, published by Devidas Jankidas, Amritsar. Containing also an index of Japu, special chapters on Apabhramsa, and a prose commentary on Jap from a MS. of 1701 A.D.

(2) "Sufiā dā Kalām," An Anthology of the Select Poems of over 40 Muslim Sufi Poets of the Panjab, with a page-wise full glossary and with biographical and bibliographical notes on about 20 poets; pp. 6+158+64; published by Devidas Jankidas, Amritsar.

(3) "Utum Kahania;" published by Devidas Jankidas, Amritsar.

An anthology of Panjabi short stories by standard authors, together with stories translated from Hindi and Urdu, written by Premchand, Sudarshan and others.

(4) Three Articles in Urdu of a series "Baba Farid Sheikh Ibrahim and Farid Sani," published in the "Oriental College Magazine," Lahore, February 1938, May 1938 and August 1938.

**II. S. Baldev Singh B.A., Gyani, Oriental College, Lahore.—**

Selections from "Guru Bilas," Based on a MS. of 1882 A. D. and published in the "Oriental College Magazine," May 1938 issue.

**III. Gyani Khazan Singh, Second Panjabi Teacher, Oriental College, Lahore.—**

Biography of Bhai Santokh Singh, author of Suraj Prakash, published in the "Oriental College Magazine," August 1938 issue.

**Mathematics.**

**University Department of Mathematics.—**

1. "Some Modifications of Dedekind's Theorem," by P. Samuels Lall. "Proc. of Nat. Acad. of Sc.," Allahabad. Vol. 8, Part 3.

2. "A Table of Partitions" (II), "Proc. London Math. Soc.," Vol. 42, by Hans Raj Gupta.

3. "Generalisation of Leudesdorf's Theorem," by Hans Raj Gupta. "Proc. Ind. Acad. of Sc.," Volume 7.

4. "On Squares in Arithmetical Progression," by Hans Raj Gupta, "Math. Student." Vol. 5.

5. "Note on Wilson's Quotient," by Hans Raj Gupta, "Math. Student," Vol. 5.

6. "A Theorem in the Addition Theory of Numbers," by I. Chowla. "Proc. Ind. Acad. of Sc.," September 1938.

7. "On a Trigonometric Suri," by S. Chowla. "Proc. Ind. Acad. of Sc.," March 1938.

8. "Some More Formulae for the Bernonithian Numbers," by M. Zia-ud-Din, "Mathematic Student," Vol. 5.

**Prof. Hukam Chand, M.A., Professor of Mathematics, S. D. College, Lahore.—**

"Reflection of a point in a line."

**S. A. Hamid, Esq., M.A. (Cantab.), Government College, Lahore.—**

“A Note on the Curvature of Plane Curves.”

“Math Student,” Vol. V, No. 4, December 1937, pp. 173—175.

**Mr. Manohar Ray, M.Sc., Lecturer, F. C. College, Lahore.—**

(1) Note on the Motion of an Infinite Elliptic Cylinder in a Liquid having a Constant vorticity. “Bulletin of Calcutta Mathematical Society” (1937).

(2) Note on the Motion of an Infinite Elliptic Cylinder in a Liquid having a Constant vorticity. “Zeitschrift für Angewandte Mathematik und Mechanik” (1938).

(3) Note on Two Infinite Circular Cylinders in a Liquid with Constant vorticity. “Bulletin of Calcutta Mathematical Society” (1938).

### **Economics.**

**Dr. L. C. Jain, M.A., LL.B., Ph.D., D.Sc. Econ., University Professor of Economics, Lahore.—**

Memoranda for the Report of the Indian Tariff Board on Sugar.

**Revd. Dr. E. D. Lucas, M.A., Ph. D., D.D., F.C. College, Lahore:—**

1. A Study of the Economic and Social Conditions of the Rural Church in the Panjab. Northern Indian Press, Lahore.

2. (i) Farm Accounts—Panjab—1935-36. Publication No. 58. Edited—Panjab Board of Economic Inquiry.

(ii) Supplement to Agricultural Statistics of the (British) Punjab. Publication No. 52.

3. Family Budgets of 6 Tenant Cultivators, 1935-36. Publication No. 59.

4. Urban Working Class Cost of living Index Numbers in the Punjab, 1937. Publication No. 60.

5. A Study of the Leather and Tanning Industry in the Punjab.

**Prof. A. N. Bali, M.A., D.A.V. College, Lahore.—**

Ten Years of Farm Accounts in the Punjab.  
(Punjab Board of Economic Enquiry.)

**Dr. B. K. Madan, M.A., Ph.D., University Lecturer in Economics.—**

1. Doctorate Thesis on "Imperial Preference and India"—"A Study in Commercial Policy." Oxford University Press.

2. Population and Civilization: a Study in trends and Problems of Population. ("Literary Circle Annual," 1937-38).

3. Bilateral Trade and Trade Treaties. ("Indian Journal of Economics," July 1938.)

**Dr. D. C. Ghose, M.A., Ph.D., Economics Department.—**

1. Doctorate Thesis on "Internal Trade Statistics."

2. Inter-Provincial Trade Statistics. (Sankhya, the "Indian Journal of Statistics," Volume, three, part 3, May 1938.)

**Mr. Lila Krishna Sahgal, M.A., University Research Scholar in Economics.—**

M. A. Thesis: Cotton Marketing in the Punjab (published in May 1938 with a Special Subsidy from the University).

**Mr. Amar Chand Bhatia, Birla Research Scholar in Sociology, Panjab University.—**

1. Beggary in Lahore, pp. 21. Published by the Rotary Club, Lahore.

2. Beggar Nuisance and Our Social Waste.

3. Beggary: Our Government and Municipalities (in Press).

4. Practical Scheme for Industrial Houses for Beggars.

**History.****J. F. Bruce, Esqr., M.A., University Professor of History, Lahore.—**

1. "The Historical Background of the Present Situation in China." ("Journal of the Panjab University Historical Society.")

2. "The Correlation of Indian Historical Records." (Government of India Press, Simla.)

3. "Sher Singh Nama." (Journal of Indian History).

### **English.**

**Baldoon Dhingra, Esqr., Government College, Lahore.—**

"Symphony of Peace:" Volume of Poems. Published (1938). Bowes and Bowes (Cambridge).

"Genius and Artistic Enjoyment." Published (1937). (Cambridge).

### **Philosophy.**

**L. R. Puri, Esq., M.A., P.E.S., Government Intermediate College, Campbellpore.—**

Spiritual Path on Mysticism, Volume I.

### **Divinity.**

**Prof. Teja Singh, M.A., Head of the English Department, Khalsa College, Amritsar.—**

1. Sikhism: Its Ideals and Institutions, published by Longmans, Green and Co., Ltd., Calcutta. Pages viii plus 146. Price Rs. 2.

2. The Psalm of Peace: An English translation of Guru Arjun's Sukhmani, with a Foreword by Dr. Nicholas Roerich, published by Oxford University Press, Bombay. Price Rs. 2.

3. Commentary in Panjabi on Guru Nanak's Asa-di-Var, published by the author. Price As. 12.

### **Theology.**

**Ghulam Waris, Esq., M.Sc., P.E.S., Lecturer, Government Intermediate College, Hoshiarpur.—**

Quran on the Scales—Being a Scientific Approach to the Heart of Islam and the Verdict of the Highest Authority on it.

### **Science and Agriculture.**

#### **Physics.**

1. On Conics connected with four or more lines, by F. C. Auluck. "Proc. Ind. Acad. Sc.," Bangalore. Vol. VII. No. 1, January 1938.

2. The Volume of a Tetra Hedron, the Areas of the faces being given by F. C. Auluck. "Proc. I.A.Sc.," Bangalore. Vol. VII. No. 4. April 1938.

3. A Note on Longitudinal Waves in Degenerate Gas, by F. C. Auluck, "Science and Culture," Vol. 3, No. 12, June 1938.

### **Chemistry.**

#### **(a) University Chemical Laboratories.—**

1. Magnetism and Molecular Constitution of Some Chromium Compounds, by S. S. Bhatnagar, Brahm Prakash and Abdul Hamid. ("Jour. Chem. Soc.," 1428, 1938.)

2. Paramagnetism of the Iron Group, by S. S. Bhatnagar, M. L. Khanna and M. B. Nevgi. ("Phil. Mag.," 1938, **25**, 234.)

3. Phototropy and Photochemical Isomerism from Magnetic Standpoint, by S. S. Bhatnagar, P. L. Kapur and M. S. Hashmi. ("Jour. Indian Chem. Soc.," 1938.)

4. The Diamagnetic Susceptibilities of Mercury in various States of Combination, by S. S. Bhatnagar, M.B. Nevgi and G. L. Ohri. ("Proc. Indian Acad. Sci." 1938.)

5. Magnetic Properties of Copper Amalgams, by S. S. Bhatnagar, P. L. Kapur and G. L. Mittal. ("Current Sci.," 1938.)

6. Silk Cotton Utilisation, British India Patent No. 24, 388, accepted 12th September 1938, by S. S. Bhatnagar and Lala Shri Ram of the Delhi Cloth Mills, Delhi and Lyallpur.

7. Rottlerin, Part II, by K. S. Narang, J. N. Ray and B. S. Roy ("Current Sci.," 1938, **7**, 177.)

8. Rottlerin, Part I, by K. S. Narang, J. N. Ray and B. S. Roy. ("J.C.S.," 1937. 1862.)

9. Rottlerin, Part III, by K. S. Narang, J. N. Ray and B. S. Roy ("Current Sci.," 1938, **6**, 333.)

10. Synthesis of Quinazolines, Part V, by A. Ahmed, K. S. Narang and J. N. Ray ("J. Indian Chem. Soc.," 1938, **15**, 152.)

11. Synthesis of Local Anæsthetics, Part III, by S. Bagchee, K. N. Gaind and J. N. Ray. ("Jour. Chem. Soc.," 1938, 657.)

12. Rottlerin, Part IV, by K. S. Narang, J. N. Ray and B. S. Roy. ("Current Sci.," 1938, **6**, 606.)

13. Rottlerin, Part II, by K. S. Narang, J. N. Ray and B. S. Roy ("J. Indian Chem. Soc.," 1938, **15**, 394.)

14. Role of Nitrogen Compounds in the Fermentation of Fruit juices by N. N. Chopra. ("Proc. Nat. Inst. Sci.," 1938, **4**, 289.)

15. Acridine Derivatives, Part I, by M. L. Dhar, K. S. Narang and J. N. Ray. ("Jour. Chem. Soc.," 1938, 304.)

16. Potentiometric Studies in Diazotisation. Determination of Aromatic Amides by Balwant Singh and G. Ahmed. ("Jour. Indian Chem. Soc.," **15**, 416, 1938.)

17. Dimethylamino—and Diethylaminophyllimino Camphors. Reagents for Mercury by Mahan Singh. ("Jour. Indian Chem. Soc.," **15**, 402, 1938.)

18. Study of Some Physical Properties of Commercial Gums, by N. A. Yajnik and Manphul Singh Jain. ("Jour. Univ. Bom.," 1937, **7**.)

(b) **Dr. Balwant Singh, D.Sc., A.I.C., Head of the Chemistry Department, Khalsa College, Amritsar.—**

1. "Hydrolysis of Uranyl Salts." ("Jour. de Chimie Physique," 1937, **34**, 351.)

2. "Potentiometric Studies in Diazotisation—Determination of Aromatic Amines." ("Jour. Ind. Chem. Soc.," 1938, **15**, 416.)

(c) **Chemistry Department, Government College, Lahore.—**

P. Dimethylamino and P. diethylamino Phenyliminocamphors. Reagents for Mercury, by S. Mahan Singh. ("Jour. Ind. Chem. Soc.," 1938, **15**, 402.)

(d) **Ghulam Ahmad, Esq., B.Sc., Government Intermediate College, Pasrur.—**"Hydrolysis of

Uranyl Salts" under joint authorship ("Journal de Chimie Physique.")

(e) **F. C. College, Lahore.—**

A study of some "Physical properties of Commercial Gums," by Messrs. N. A. Yajnik, P. L. Kapur and Manphul Singh Jain, published in the "Journal of the University of Bombay," Vol. VI, Part II, pp. 136—142, 1937.

**Mr. Manohar Ray, M.Sc., Lecturer, F. C. College, Lahore.—**

Motion of an Infinite Elliptic Cylinder in a Liquid having a Constant Vorticity. "Proceedings of the Royal Society, London" (1936).

**Botany.**

**Dr. H. Chaudhuri.—**

1. Tropical and Sub-Tropical Fruit Growing. Presidential Address. XII International Horticultural Congress, Section 6, Berlin, August 1938.

2. Plant Protection. Science Congress Number of "Hindustan Times." January 1938.

3. Moulds of the Punjab—II. Penicilli. "Proc. Ind. Acad. of Science," August 1938.

4. Yellow Rain. "Current Science," June 1938.

5. On Measures tried for obtaining Yield in Increase and Quality Improvement in the Production of Medicinal and Spice Plants. National Report, Section 9. XII International Horticultural Congress, Berlin, August 1938.

6. Jointly with Mohd. Umar. Moulds of the Punjab—I. Aspergilli. "Proc. Ind. Acad. of Science," August 1938.

**Mr. R. S. Chopra.—**Notes on Indian Hepatics.—I. "Proc. Ind. Acad. Sci., Vol. VII, No. 5 (1938).

**Mr. P. N. Mehra.—**

1. A Study of the Chromosome Number in Some Indian Members of the Family Codoniaceæ. "Proc. Ind. Acad. Science," Vol. VIII, No. 1 (Sec. B), 1938.

2. Abnormal sporocarps in **Marsilea Minuta**. "Proc. Ind. Acad. of Science," Vol. VIII, No. 1 (Sec. B), 1938.

3. Apogamy in **Adiantum lunulatum**, Part I. "Proc. Ind. Acad. of Science," Vol. VIII, No. 3 (Sec. B), 1938.

4. Apogamy in **Pteris Biaurita**. "Proc. Ind. Acad. of Science," Vol. VIII, No. 3 (Sec. B), 1938.

5. Some abnormalities in the Female Strodilus of **Ginkgo biloba**. "Proc. Ind. Acad. of Science," Vol. VIII, No. 3 (Sec. B), 1938.

6. The Germination of Pollen grains in Artificial Cultures in **Ephedra foliata** and **Ephedra Gerardians**. "Proc. Ind. Acad. of Science," Vol. VIII, No. 3 (Sec. B), 1938.

### **Zoology.**

A monograph on the Polychaets of Karachi, by Mr. Najm-ud-Din, M.Sc. (Pages 19 to 52, Plates III to VIII), forming No. II of the series on the Fauna of Karachi in the Memoirs of the Department of Zoology, Panjab University, has been published.

### **Agriculture.**

#### **Panjab Agricultural College, Lyallpur.—**

1. Dr. P. E. Lander and Pt. Lal Chand Dharmani. "Indian Grazing Conditions and the Mineral Contents of Some Indian Fodders." Published as Miscellaneous Bulletin No. 16 of the Imperial Council of Agricultural Research.

2. Dr. P. E. Lander, Dr. Ramji Narain and Ch. Azmat Singh. "Soil Uniformity Trials in the Punjab—I." "Indian Journal of Agricultural Science," Vol. VIII, Part III, June 1938.

3. Dr. Ramji Narain and Ch. Azmat Singh. "Study of factors Influencing the Extraction of Juice from Sugarcane." Accepted for publication in the "Indian Journal of Agricultural Science."

4. Desai and Fazal-ud-Din. "The Influence of Non-Nitrifying Organisms on Nitrification." "Ind. Jour. Agri. Science," Vol. VII, Part VI, December 1937.

5. Desai and Fazal-ud-Din. Denitrification in the Presence of Sugars." "Ind. Jour. Agri. Science," Vol. VIII, Part IV, August 1938,

**S. S. Sardar Labh Singh, Professor of Agriculture, Punjab Agricultural College, Lyallpur and Bh. Ajaib Singh, Assistant, Agricultural Section.—**

1. Farm Accounts in the Punjab, 1934-35. Publication No. 53.
2. Farm Accounts in the Punjab, 1935-36. Publication No. 58.
3. Family Budgets of Six Tenant Cultivators in the Lyallpur District, 1934-35. Publication No. 50.
4. Family Budgets of Six Tenant Cultivators in the Lyallpur District, 1935-36. Publication No. 59.

**Botanical Section, Punjab Agricultural College and Research Institute, Lyallpur.—**

1. Jai Chand Luthra and Indar Singh Chima. "Some Studies on Temperature of the Cotton Plant in the Punjab." "Proc. Ind. Acad. of Science," Vol. VI, No. 3, Section B, September 1937.
2. Jai Chand Luthra, Department of Agriculture, Punjab. Bulletin on "Punjab Weeds and Their Control." Government Printing, Punjab.
3. Jai Chand Luthra, Abdus Sattar and Kishan Singh Bedi. "The Control of the Blight Disease [*Ascochyta Rabiei* (Pass) Lab.] of Gram by Resistant Types." "Current Science," Vol. VII, No. 2, August 1938.
4. Hans Raj Saini, Fodder Specialist. "Fodder Crops of the Punjab." Government Printing, Punjab.

**Entomological Section, Punjab Agricultural College, Lyallpur.—**

1. "The Bird Enemies of Cotton Leaf Roller (*Sylepta derogata* Fb.) at Khanewal, Multan (Punjab)." "Ind. Jour. Agri. Science," Vol. VII, Part V, October 1937.
2. "Some Birds of Lyallpur and Their Food." "Jour. Bombay Nat. Hist. Soc.," Vol. XXXIX, No. 4, dated 15th December 1937,

3. "Two New Species of Aleurodidae Found on Ferns in Greenhouses in Britain (Hemiptera)." "Proc. Royal Ent. Soc.," London, Series "B"—Taxonomy, Vol. 7, Part 9, 15th September 1938.

**Sardar Sahib Sardar Lal Singh, B.Sc. (Hons.), M.Sc. (Calif.) Fruit Specialist, Punjab, Lyallpur.—**

1. "Fruit Industry in Egypt, Palestine, Italy, France and Switzerland" (Four Parts).

2. "Studies in the Preservation of Fruit Juices—I. Some Observations on the Preparation and Preservation of Citrus Fruit Squashes."

3. "Pruning of Fruit Trees: The Effect of Dormant Pruning on Cropping and Vegetative Vigour of Phalsa (*Grewia Asiatica*)."

**Dr. Sham Singh, Ph.D. (Bristol), F.R.H.S., Assistant Horticulturist, Lyallpur.—**

"Pruning of Fruit Trees; The Effect of Dormant Pruning on Cropping and Vegetative Vigour of Phalsa (*Grewia Asiatica*)."

### Law.

1. The Arya Marriage Validation Act (XIX of 1937), with Appendices, by C. L. Mathur. Pages 40. 1937.

2. Commentaries on the Indian Contract Act (Act IX of 1872), Vol. I, by Desh Raj Mahajan. Pages 411+xxi. 1938.

### Medicine

**K. E. Medical College, Lahore.—**

1. Lt.-Col. S. N. Hayes, F.R.C.S. (England), L.R.C.P. (London), F.C.O.G. (London, I.M.S. (Professor of Midwifery and Gynæcology):

I.—The Prophylactic Value of Proseptasine in Labour Cases (in collaboration with Dr. Mohd. Abdul Sami, M.B., B.S. (Pb.), P.C.M.S.

II.—Investigation on the Bacteriology of the Vaginal Tract in Pregnancy.

2. Rai Bahadur Doctor Jiwan Lal, M.D., B.S. (Professor of Pathology).—Typing of Pneumococci.

3. Lt.-Col. H. S. Anand, M.B., Ch. B. (Edin.), D.P.H. (Edin.), I.M.S. (Professor of Physiology).—Research on Sex Hormones and Their Clinical Application.

4. Doctor K. E. Madan, M.D., D.O.M.S., F.I.C.A. (Lecturer on Anæsthesia)—

1.  $N_2 O$  and O Anæsthesia. (The Anæsthesia Abstracts, Volume III).

2. Carbonised Ether for Anæsthesia. (The British Jour. of Anæsthesia, Volume XV, No. 3.)

3. Selection of Anæsthetics in Surgical Emergencies. (The Antiseptic, Vol. XXXV, No. 6.)

5. Doctor Vishwa Nath, M.A. (Harvard), M.D., B.S. (Pb.), F.R.C.P. (Ireland), D.P.H., D.T.M. & H. (Cambridge), P.C.M.S. (Assistant to the Professor of Pathology)—

I. A case of Jejunal Diverticulosis—Description and a Review of Literature. (Ind. Med. Gaz., Vol. LXXIII, No. 4.)

II. Cancer in India (in Collaboration with Dr. Khem Singh Grewal, M.B., B.S. (Pb.), Ph.D. (to be published in January 1939 issue of the Ind. Jour. Med. Res.).

6. Doctor Khem Singh Grewal, M.B., B.S. (Pb.), Ph.D. (Cantab.), P.C.M.S. (Assistant to the Professor of Pharmacology and Therapeutics)—

Vitamin A Contents of Ghee (in collaboration with Mr. B. D. Kochhar, M.Sc. (Pb.), Chemist, Deptt. of Pharmacology and Therapeutics.) (Ind. Jour. Med. Res., 25 of 3rd January 1938).

7. Major G. F. Taylor, M.A., M.B., B.Ch. (Camb.), M.R.C.S. (England), M.R.C.P. (London), I.M.S., Professor of Clinical Medicine.

Investigation into Incidence of positive mantoux Reactors and X-Ray Examination of Chests of Students and Nurses of Mayo Hospital. (Published by British Medical Association, Punjab Branch, 1938—to be published in I.R.F.A. Journal).

## APPENDIX III.

**Financial.**

The Receipts and Disbursements of the Current and Special Endowed Trusts Accounts of the Panjab University for the financial year ending 31st March 1938, were as follows:—

| Heads of Income and Expenditure.             | Actuals for the current Account for 1937-38 | Special Endowed Trusts Accounts. | Total 1937-38. |
|----------------------------------------------|---------------------------------------------|----------------------------------|----------------|
|                                              | Rs. a. p.                                   | Rs. a. p.                        | Rs. a. p.      |
| Opening Balance ..                           | 3,23,244 13 11                              | 3,368 12 6                       | 3,26,613 10 5  |
| <b>INCOME.</b>                               |                                             |                                  |                |
| 1. Fees of Examinations                      | 9,23,275 8 0                                | ..                               | 9,23,275 8 0   |
| 2. Registration and special fees ..          | 62,384 0 0                                  | ..                               | 62,384 0 0     |
| 3. Other fees ..                             | 81,587 0 0                                  | ..                               | 81,587 0 0     |
| 4. Library ..                                | 524 14 0                                    | ..                               | 524 14 0       |
| 5. Publications ..                           | 90,188 9 9                                  | ..                               | 90,188 9 9     |
| 6. Miscellaneous including security deposits | 21,751 5 5                                  | ..                               | 21,751 5 5     |
| 7. Interest ..                               | 17,587 8 0                                  | 24,791 1 1                       | 42,378 9 1     |
| 8. Contributions ..                          | 2,78,600 0 0                                | ..                               | 2,78,600 0 0   |
| 9. Law College ..                            | 1,04,087 4 0                                | ..                               | 1,04,087 4 0   |
| 10. Oriental College ..                      | 4,549 12 3                                  | ..                               | 4,549 12 3     |
| 11. Hailey College of Commerce ..            | 18,543 3 0                                  | ..                               | 18,543 3 0     |
| 12. Special subscriptions and Donations ..   | 34,147 15 0                                 | ..                               | 34,147 15 0    |
| 13. Advances refunded                        | 3,392 7 9                                   | ..                               | 3,392 7 9      |
| Total ..                                     | 19,63,964 5 1                               | 28,159 13 7                      | 19,92,124 2 8  |
| <b>EXPENDITURE.</b>                          |                                             |                                  |                |
| 1. General Administration ..                 | 1,37,137 4 2                                | ..                               | 1,37,137 4 2   |
| 2. Remuneration to Examiners ..              | 3,08,233 6 10                               | ..                               | 3,08,233 6 10  |
| 3. Printing Question Papers ..               | 36,000 0 0                                  | ..                               | 36,000 0 0     |
| 4. Conducting Examinations ..                | 2,35,230 9 1                                | ..                               | 2,35,230 9 1   |
| 5. Library ..                                | 52,517 15 2                                 | ..                               | 52,517 15 2    |
| 6. Garden and Tournament Ground ..           | 3,849 6 11                                  | ..                               | 3,849 6 11     |

| Heads of Income and Expenditure.                   | Actuals for the current Account for 1937-38. | Special Endowed Trusts Accounts. | Total 1937-38. |
|----------------------------------------------------|----------------------------------------------|----------------------------------|----------------|
|                                                    | Rs. a p                                      | Rs a p                           | Rs. a. p.      |
| 7. Publications ..                                 | 44,332 2 8                                   | ..                               | 44,332 2 8     |
| 8. Miscellaneous expenses including refunds        | 74,071 13 11                                 | 22,295 7 7                       | 96,367 5 6     |
| 9. Law College ..                                  | 1,27,435 4 6                                 | ..                               | 1,27,435 4 6   |
| 10. Oriental College ..                            | 1,12,346 12 8                                | ..                               | 1,12,346 12 8  |
| 11. Hailey College of Commerce ..                  | 66,378 3 1                                   | ..                               | 66,378 3 1     |
| 12. Physical Training ..                           | 12,656 7 9                                   | ..                               | 12,656 7 9     |
| 13. University Teaching                            | 2,35,398 11 4                                | ..                               | 2,35,398 11 4  |
| 14. Improvement of Education ..                    | 56,928 13 3                                  | ..                               | 56,928 13 3    |
| 15. Foreign Information Bureau ..                  | 3,224 6 11                                   | ..                               | 3,224 6 11     |
| 16. Oriental Publications Fund ..                  | 3,000 0 0                                    | ..                               | 3,000 0 0      |
| 17. Capital Expenditure on University Buildings .. | 8,420 10 5                                   | ..                               | 8,420 10 5     |
| 18. Advances given ..                              | 5,883 9 9                                    | ..                               | 5,883 9 9      |
| Closing Balance ..                                 | 4,40,918 10 8                                | 5,864 6 0                        | 4,46,783 0 8   |
| Total ..                                           | 19,63,964 5 1                                | 28,159 13 7                      | 19,92,124 2 8  |

|                                       | INVESTMENTS.  | CASH IN HAND. |
|---------------------------------------|---------------|---------------|
| 1. Current Account ..                 | 4,66,500 0 0  | 4,40,918 10 8 |
| 2. Provident Fund Account ..          | 10,06,900 0 0 | 14,260 8 4    |
| 3. Special Endowed Trusts Accounts .. | 5,87,600 0 0  | 5,864 6 0     |
| Total ..                              | 20,61,000 0 0 | 4,61,043 9 0  |

The following table shows the Abstract Account of the Original Donations received for the various Trusts, their gross value in Government Paper, and the Cash Balance at credit or debit of each Trust on the 31st March, 1938:—

| Name of Account.                                       | Capital on 31st March 1937, Government Securities. | Redemptions during the year 1937-38. | Govt. Securities purchased during the year 1937-38. | Closing Balance on 31st March, 1938. |
|--------------------------------------------------------|----------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------|
|                                                        | Rs.                                                | Rs.                                  | Rs.                                                 | Rs. a. p.                            |
| 1. Alfred Patiala Research Studentship                 | 29,750                                             | ..                                   | 300                                                 | 90 12 2                              |
| 2. Alexandra Research Studentship ..                   | 14,650                                             | ..                                   | ..                                                  | 16 11 0                              |
| 3. McLeod Kashmir Sanskrit Research Studentship .. ..  | 41,450                                             | ..                                   | 800                                                 | 130 13 3                             |
| 4. McLeod Kapurthala N. S. Research Studentship .. ..  | 34,400                                             | ..                                   | ..                                                  | 303 3 3                              |
| 5. Mayo Patiala Engineering Research Studentship .. .. | 22,700                                             | ..                                   | ..                                                  | 99 15 4                              |
| 6. McLeod Panjab Arabic Research Studentship .. ..     | 33,300                                             | ..                                   | 200                                                 | 153 0 1                              |
| 7. Alfred Nabha Jind Scholarship ..                    | 12,200                                             | ..                                   | ..                                                  | 108 0 0                              |
| 8. Bahawalpur Arabic Scholarship ..                    | 17,550                                             | ..                                   | 300                                                 | 126 6 0                              |
| 9. Amritsar McLeod Memorial Scholarship .. ..          | 7,700                                              | ..                                   | 200                                                 | 193 13 1                             |
| 10. Fuller Exhibition Scholarship ..                   | 14,850                                             | ..                                   | 100                                                 | 97 5 10                              |
| 11. Jind Panjabi Scholarship ..                        | 8,200                                              | ..                                   | ..                                                  | 52 0 0                               |
| 12. Patiala Gurmukhi Teaching and Scholarship .. ..    | 15,900                                             | ..                                   | ..                                                  | 6 4 3                                |
| 13. Brandreth Leitner Prize ..                         | 1,250                                              | ..                                   | ..                                                  | 146 12 3                             |
| 14. Jaishi Ram Medal .. ..                             | 2,850                                              | ..                                   | ..                                                  | 59 15 2                              |
| 15. MacLagan Gold Medal .. ..                          | 2,100                                              | ..                                   | ..                                                  | .. ..                                |
| 16. Inayat Ali Watson Silver Medal ..                  | 1,150                                              | ..                                   | ..                                                  | 94 13 4                              |
| 17. Inayat Ali Griffin Prize ..                        | 2,500                                              | ..                                   | 100                                                 | 43 6 11                              |
| 18. Alwar Gold Medal .. ..                             | 4,000                                              | ..                                   | ..                                                  | 46 0 7                               |
| 19. Rai Kanhaya Lal Polard Prize ..                    | 2,350                                              | ..                                   | ..                                                  | 15 8 2                               |
| 20. Khelifa Mohammad Hussain Aitchison Medal .. ..     | 4,600                                              | ..                                   | ..                                                  | 204 12 5                             |
| 21. Khalifa Mohammad Hussain Jubilee Medal .. ..       | 12,050                                             | ..                                   | 300                                                 | 268 8 9                              |

| Name of Account. |                                                                      | Capital on 31st March 1937, Government Securities. | Redemptions during the year 1937-38. | Govt. Securities purchased during the year 1937-38. | Closing Balance on 31st March, 1938. |    |    |
|------------------|----------------------------------------------------------------------|----------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------|----|----|
|                  |                                                                      | Rs.                                                | Rs.                                  | Rs.                                                 | Rs.                                  | a. | p. |
| 22.              | Aitchison Ram Rattan Sanskrit Scholarship .. ..                      | 37,550                                             | ..                                   | 300                                                 | 83                                   | 9  | 5  |
| 23.              | Wakefield Memorial Prize .. ..                                       | 3,300                                              | ..                                   | 100                                                 | 135                                  | 0  | 10 |
| 24.              | Cooper Medal .. ..                                                   | 1,450                                              | ..                                   | ..                                                  | 133                                  | 12 | 2  |
| 25.              | Patiala Sime Medal .. ..                                             | 4,100                                              | ..                                   | ..                                                  | 150                                  | 6  | 9  |
| 26.              | F. S. Jamal-ud-Din Medal .. ..                                       | 1,300                                              | ..                                   | ..                                                  | 89                                   | 14 | 0  |
| 27.              | Prince Albert Victor Patiala Scholarship .. ..                       | 81,800                                             | ..                                   | 400                                                 | 360                                  | 10 | 8  |
| 28.              | D. B. Bhagwan Dass Bullo Mal Gold Medal .. ..                        | 2,150                                              | ..                                   | ..                                                  | 47                                   | 2  | 1  |
| 29.              | Shrimati Dhan Devi and Shrimati Jai Kaur Medal .. ..                 | 1,200                                              | ..                                   | ..                                                  | 41                                   | 1  | 7  |
| 30.              | R. S. Munshi Gulab Singh Denzil Ibbetson Diamond Jubilee Purse .. .. | 3,000                                              | ..                                   | ..                                                  | 12                                   | 6  | 0  |
| 31.              | K. B. Sheikh Nanak Bakhsh Medal .. ..                                | 1,250                                              | ..                                   | ..                                                  | —0                                   | 10 | 11 |
| 32.              | Sahib Zada Mohammad Ubedullah Khan Medal .. ..                       | 1,750                                              | ..                                   | ..                                                  | 47                                   | 6  | 6  |
| 33.              | Malik Das Ram Topan Mal Silver Medal .. ..                           | 700                                                | ..                                   | ..                                                  | 57                                   | 7  | 6  |
| 34.              | R. B. Beli Ram-Ram Chand Victoria Memorial Prize .. ..               | 400                                                | ..                                   | ..                                                  | 7                                    | 0  | 0  |
| 35.              | R. B. Sagar Chand Silver Medal .. ..                                 | 500                                                | ..                                   | ..                                                  | 77                                   | 13 | 1  |
| 36.              | Anjuman-i-Islamia Arnold Silver Medal .. ..                          | 400                                                | ..                                   | ..                                                  | 31                                   | 9  | 4  |
| 37.              | Kanwar Sir Harnam Singh Rivaz Gold Medal .. ..                       | 2,750                                              | ..                                   | 100                                                 | 11                                   | 11 | 6  |
| 38.              | Dr. Rahim Khan's Memorial Fund .. ..                                 | 1,600                                              | ..                                   | ..                                                  | 44                                   | 9  | 2  |
| 39.              | Dr. Bishen Das Medal .. ..                                           | 400                                                | ..                                   | ..                                                  | ..                                   | .. | .. |
| 40.              | Rivaz Mela Ram Medal .. ..                                           | 3,650                                              | ..                                   | 100                                                 | 12                                   | 1  | 1  |
| 41.              | Davies Pakhoke Medal .. ..                                           | 700                                                | ..                                   | ..                                                  | 20                                   | 12 | 3  |
| 42.              | Karam Devi Rai Bahadur Beli Pam Memorial Medal .. ..                 | 850                                                | ..                                   | ..                                                  | 102                                  | 5  | 5  |
| 43.              | Lady Dane Gold Medal .. ..                                           | 100                                                | ..                                   | ..                                                  | 64                                   | 10 | 0  |
| 44.              | Patiala Ranbir Medal .. ..                                           | 3,550                                              | ..                                   | ..                                                  | 26                                   | 0  | 7  |
| 45.              | Baba Khem Singh Medal .. ..                                          | 650                                                | ..                                   | ..                                                  | 44                                   | 13 | 9  |

| Name of Account.                                   | Capital on 31st March, 1937, Government Securities. | Redemptions during the year 1937-38. | Govt. Securities purchased during the year 1937-38. | Closing Balance on 31st March, 1938. |
|----------------------------------------------------|-----------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------|
|                                                    | Rs.                                                 | Rs.                                  | Rs.                                                 | Rs. a. p.                            |
| 46. Dane Malerkotla Medal and Scholarship .. ..    | 14,550                                              | ..                                   | 400                                                 | 99 5 5                               |
| 47. R. S. Lala Chuni Lal Medal .. ..               | 2,400                                               | ..                                   | ..                                                  | 99 8 3                               |
| 48. The Oman Prize .. ..                           | 750                                                 | ..                                   | ..                                                  | 92 1 1                               |
| 49. L. Ruchi Ram Declamation Prize .. ..           | 1,200                                               | ..                                   | ..                                                  | -0 3 8                               |
| 50. Shah Din Asghari Khanam Medal .. ..            | 3,100                                               | ..                                   | ..                                                  | 109 13 4                             |
| 51. K. B. Sh. Nasir-ud-Din Medal .. ..             | 3,150                                               | ..                                   | ..                                                  | 73 1 1                               |
| 52. Sinha's Bequest .. ..                          | 97,050                                              | ..                                   | 1,500                                               | 470 14 8                             |
| 53. Sir P. C. Chatterji Endowment .. ..            | 5,750                                               | ..                                   | ..                                                  | 228 12 0                             |
| 54. Amrit Lal Roy Medal .. ..                      | 1,350                                               | ..                                   | ..                                                  | 17 13 4                              |
| 55. Sir Ganga Ram Medal and Scholarship .. ..      | 5,600                                               | ..                                   | ..                                                  | -55 1 8                              |
| 56. R. S. M. Gulab Singh deMontmorency Medal .. .. | 1,850                                               | ..                                   | ..                                                  | 55 9 6                               |
| 57. Thanksgiving Fund .. ..                        | 2,950                                               | ..                                   | ..                                                  | 84 3 4                               |
| 58. Chatterji Endowment .. ..                      | ..                                                  | ..                                   | ..                                                  | 100 0 0                              |
| 59. Sir Donald McLeod Memorial Fund .. ..          | ..                                                  | ..                                   | ..                                                  | 336 13 2                             |
| 60. Kishan Chand Mehra Memorial Fund .. ..         | ..                                                  | ..                                   | ..                                                  | 32 8 0                               |
| 61. K. B. Thapur Gold Medal .. ..                  | 1,600                                               | ..                                   | ..                                                  | 112 10 8                             |
| 62. P. Daulat Ram Prize .. ..                      | 500                                                 | ..                                   | ..                                                  | 68 5 11                              |
| 63. L. Bishan Das Lamba Prize .. ..                | ..                                                  | ..                                   | ..                                                  | 111 11 0                             |
| 64. Sh. Damyanti Declamation Prize .. ..           | ..                                                  | ..                                   | ..                                                  | 0 4 0                                |
| Total ..                                           | 5,82,400                                            | ..                                   | 5,200                                               | 5,864 6 0                            |

By order,

ISHWAR DAS,

REGISTRAR,

University of the Panjab.

LAHORE :

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